






Schottky Barrier Diodes

Quick Reference for Small Signal type Schottky Barrier Diodes

V _R (V)	I _O (mA)	Surface Mount type													
		0402 size		0603 size		1006 size		1006 size		2924 size					
		DSN0402-2 (SMD0402)		DSN0603-2 (SMD0603)		DSN0603-2 (SMD0603B)		DSN1006-2 (SMD1006)		SOD-923 (VMN2M)		SOT-23 (SSD3)			
20	2,000							RASMID RB061QS-20	5						
	30											RB751CM-40	7		
	100	RASMID® RB522FS-30	1	RASMID RB522ES-30	2							RB520CM-30	8		
												RB521CM-30	9		
												RB530CM-30	10		
												RB531CM-30	11		
	200					RASMID RB520HS-30	3							BAT54CHM	99
						RASMID RB532HS-30	4							BAT54AHM	103
														BAT54SHM	109
														BAT54HM	113
	100											RB530CM-40	12		
												RB531CM-40	13		
												RB520CM-40	14		
												RB521CM-40	15		
	120													BAS40-05HM	100
														BAS40-06HM	104
														BAS40-04HM	110
														BAS40HM	114
	1,000							RASMID RB161QS-40	6						
60	100											RB530CM-60	16		
												RB520CM-60	17		

RASMID: ROHM's proprietary new method that enables superior dimensional precision, making it possible to develop the ultra-compact products.
 Note: Package is JEDEC code. (): ROHM Packages.

: Under Development

V _n (V)	I _o (mA)	Surface Mount type										
		1608 size		2512 size		2514 size		1616 size		2120 size		
												
SOD-523 (EMD2)		SOD-323FL (UMD2)		(TUMD2M)		SOT-416FL (EMD3F)		SOT-323FL (UMD3F)				
20	500			RB551VM-30	36	RB411VAM-50	61					
	1,000					RB162VAM-20	62					
	2,000					RB161VAM-20	63					
						RBE1VAM20A	64					
						RBE2VAM20A	65					
30	30	RB751SM-40	18	RB751VM-40	37							
	100	RB510SM-30	19	RB510VM-30	38			RB548WM	105			
		RB511SM-30	20	RB530VM-30	39			RB557WM	101			
		RB500SM-30	21	RB511VM-30	40			RB558WM	106			
		RB501SM-30	22	RB531VM-30	41							
	200	RB520SM-30	23	RB520VM-30	42							
		RB521SM-30	24	RB521VM-30	43							
		RB530SM-30	25	RB540VM-30	44							
		RB531SM-30	26	RB541VM-30	45							
	500			RB550VM-30	46	RSX051VAM30	66					
						RSX051VYM30	67					
	700					RSX071VAM30	68					
						RSX071VYM30	69					
	1,000						RB168VAM-30	70				
							RB168VYM-30	71				
						RB550VAM-30	72					
						RB550VYM-30	73					
						RSX101VAM30	74					
1,500					RSX101VYM30	75						
						RSX201VAM30	76					
						RSX201VYM30	77					
40	30							RB715WM	97	RB715UM	98	
								RB706WM-40	107	RB717UM	102	
										RB706UM-40	108	
	100	RB510SM-40	27	RB510VM-40	47						RB451UM	111
		RB511SM-40	28	RB511VM-40	48						RB450UM	112
		RB530SM-40	29	RB530VM-40	49							
		RB531SM-40	30	RB531VM-40	50							
		RB500VM-40	51	RB500VM-40	51							
	RB501VM-40	52	RB501VM-40	52								
	200	RB540SM-40	31	RB540VM-40	53							
RB541SM-40		32	RB541VM-40	54								
RB520SM-40		33	RB520VM-40	55								
RB521SM-40		34	RB521VM-40	56								
500			RB560VM-40	59	RB400VAM-50	78						
			RB561VM-40	60	RB400VYM-50	79						
1,000						RB160VAM-40	80					
						RB160VYM-40	81					
						RB168VAM-40	82					
						RB168VYM-40	83					
60	200	RB521SM-60	35									
	1,000					RB160VAM-60	84					
						RB160VYM-60	85					
						RB168VAM-60	86					
						RB168VYM-60	87					
90	200					RB021VAM90	88					
100	700					RB578VAM100	89					
						RB578VYM100	90					
	1,000					RB168VAM100	91					
						RB168VYM100	92					
150	500					RB558VAM150	93					
						RB558VYM150	94					
	1,000					RB168VAM150	95					
						RB168VYM150	96					

Note: Package is JEDEC code. (): ROHM Packages.

Schottky Barrier Diodes

Schottky Barrier Diodes

Example:

R	B	7	5	1	S	M	-	4	0	F	H	T	2	R
Part No.										Grade Code		Taping Code		

Small Signal Type Schottky Barrier Diodes 1																
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _c =25°C)				Electrical Characteristics (T _r =25°C)*2				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O *1 (mA)	I _{FSM} (A)*2 (60Hz.1~)	V _F (V) Max	I _F (mA)	I _R (μA) Max	V _R (V)				
		General	Automotive													
1	RASMiD® RB522FS-30	—		T27R	30	30	100	0.5	0.37	10	7	10	DSN0402-2 (SMD0402)		—	
2	RASMiD RB522ES-30	—		T15R	30	30	100	0.5	0.37	10	7	10	DSN0603-2 (SMD0603)		—	
3	RASMiD RB520HS-30	—		T15R	30	30	200	1.5	0.43	10	0.3	10	DSN0603-2 (SMD0603B)		—	
4	RASMiD RB532HS-30	—		T15R	30	30	200	1.5	0.3	10	15	10			—	
5	RASMiD RB061QS-20	—		T18R	20	20	2,000	15	0.47	2,000	200	10	DSN1006-2 (SMD1006)		—	
6	RASMiD RB161QS-40	—		T18R	40	40	1,000	7	0.6	1,000	100	10			—	
7	RB751CM-40	—		T2R	40	30	30	0.2	0.37	1	0.5	30	SOD-923 (VMN2M)		—	
8	RB520CM-30	—		T2R	—	30	100	0.5	0.45	10	0.5	10			—	
9	RB521CM-30	—		T2R	—	30	100	0.5	0.35	10	10	10			—	
10	RB530CM-30	—		T2R	30	30	100	0.5	0.46	10	0.3	10			—	
11	RB531CM-30	—		T2R	30	30	100	0.5	0.37	10	7	10			—	
12	RB530CM-40	—		T2R	40	40	100	0.5	0.48	10	2	40			—	
13	RB531CM-40	—		T2R	40	40	100	0.5	0.41	10	25	40			—	
14	RB520CM-40	—		T2R	40	40	100	1	0.71	100	15	40			—	
15	RB521CM-40	—		T2R	40	40	100	1	0.61	100	100	40			—	
16	RB530CM-60	—		T2R	60	60	100	0.2	0.54	10	1	60			—	
17	RB520CM-60	—		T2R	60	60	100	0.5	0.44	10	3	60			—	
18	RB751SM-40	FH		T2R	40	30	30	0.2	0.37	1	0.5	30		SOD-523 (EMD2)	YES	
19	RB510SM-30	FH		T2R	30	30	100	0.5	0.46	10	0.3	10			YES	
20	RB511SM-30	FH		T2R	30	30	100	0.5	0.37	10	7	10			YES	
21	RB500SM-30	*		FH	T2R	30	30	100	1	0.45	10	0.5			10	YES
22	RB501SM-30	FH		T2R	30	30	100	1	0.35	10	10	10			YES	
23	RB520SM-30	FH		T2R	—	30	200	1	0.58	200	1	10			YES	
24	RB521SM-30	FH		T2R	—	30	200	1	0.47	200	30	10	YES			
25	RB530SM-30	FH		T2R	—	30	200	1	0.45	10	0.5	10	YES			
26	RB531SM-30	FH		T2R	—	30	200	1	0.35	10	10	10	YES			
27	RB510SM-40	FH		T2R	40	40	100	0.5	0.48	10	2	40	YES			
28	RB511SM-40	FH		T2R	40	40	100	0.5	0.41	10	25	40	YES			
29	RB530SM-40	FH		T2R	40	40	100	1	0.71	100	15	40	YES			
30	RB531SM-40	FH		T2R	40	40	100	1	0.61	100	100	40	YES			
31	RB540SM-40	FH		T2R	40	40	200	1	0.71	100	15	40	YES			
32	RB541SM-40	FH		T2R	40	40	200	1	0.61	100	100	40	YES			
33	RB520SM-40	FH		T2R	45	40	200	1	0.55	100	10	40	YES			
34	RB521SM-40	FH		T2R	45	40	200	1	0.54	200	90	40	YES			
35	RB521SM-60	FH		T2R	60	60	200	1	0.6	200	100	60	YES			
36	RB551VM-30	—		TE-17	30	20	500	2	0.47	500	100	20	SOD-323FL (UMD2)	—		
37	RB751VM-40	FH		TE-17	40	30	30	0.2	0.37	1	0.5	30		YES		
38	RB510VM-30	FH		TE-17	30	30	100	0.5	0.46	10	0.3	10		YES		
39	RB530VM-30	FH		TE-17	30	30	100	0.5	0.45	10	0.5	10		YES		
40	RB511VM-30	FH		TE-17	30	30	100	0.5	0.37	10	7	10		YES		
41	RB531VM-30	FH		TE-17	30	30	100	1	0.49	100	10	10	YES			

RASMiD: ROHM's proprietary new method that enables superior dimensional precision, making it possible to develop the ultra-compact products.

*General Part No. have no grade code.

*1 I_O: Average output current per chip. In case of 1, 2 or 3 chip diodes. I_O indicates average output current of 1, 2 or 3 chips.

*2 Value/Chip

Note: Package is JEDEC code. (): ROHM Packages.

: Under Development

Schottky Barrier Diodes

Example: **R B 5 2 1 V M - 3 0 F H T E - 1 7**
 Part No. Grade Code Taping Code

Small Signal type Schottky Barrier Diodes 2															
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)*2				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O *1 (mA)	I _{FSM} (A)*2 60Hz.1~	V _F (V) Max	I _F (mA)	I _R (μA) Max	V _R (V)			
		General	Automotive												
42	RB520VM-30		FH	TE-17	30	30	200	1	0.58	200	1	10	SOD-323FL (UMD2)		YES
43	RB521VM-30		FH	TE-17	30	30	200	1	0.47	200	30	10			YES
44	RB540VM-30		FH	TE-17	30	30	200	1	0.45	10	0.5	10			YES
45	RB541VM-30		FH	TE-17	30	30	200	1	0.64	200	10	10			YES
46	RB550VM-30		FH	TE-17	30	30	500	1	0.59	500	35	30			YES
47	RB510VM-40		FH	TE-17	40	40	100	0.5	0.48	10	2	40			YES
48	RB511VM-40		FH	TE-17	40	40	100	0.5	0.41	10	25	40			YES
49	RB530VM-40		FH	TE-17	40	40	100	1	0.69	100	15	40			YES
50	RB531VM-40		FH	TE-17	40	40	100	1	0.61	100	100	40			YES
51	RB500VM-40		FH	TE-17	45	40	100	1	0.45	10	1	10			YES
52	RB501VM-40		FH	TE-17	45	40	100	1	0.55	100	30	10			YES
53	RB540VM-40		FH	TE-17	40	40	200	1	0.71	100	15	40			YES
54	RB541VM-40	*	FH	TE-17	40	40	200	1	0.61	100	100	40			YES
55	RB520VM-40		FH	TE-17	40	40	200	1	0.55	100	10	40			YES
56	RB521VM-40		FH	TE-17	40	40	200	1	0.54	200	90	40			YES
57	RB550VM-40		FH	TE-17	40	40	200	1	0.51	200	40	40			YES
58	RB551VM-40		FH	TE-17	40	40	200	1	0.43	200	300	40			YES
59	RB560VM-40		FH	TE-17	40	40	500	2	0.64	500	40	40			YES
60	RB561VM-40		-	TE-17	40	40	500	2	0.56	500	300	40			-
61	RB411VAM-50		-	TR	50	20	500	3	0.5	500	30	10			-
62	RB162VAM-20		-	TR	25	20	1,000	5	0.4	1,000	1,200	20	-		
63	RB161VAM-20		-	TR	30	20	1,000	5	0.42	1,000	1,000	20	-		
64	RBE1VAM20A		-	TR	30	20	1,000	3	0.53	1,000	200	20	-		
65	RBE2VAM20A		-	TR	30	20	2,000	5	0.46	2,000	700	20	-		
66	RSX051VAM30		-	TR	30	30	500	5	0.39	500	200	30	-		
67	RSX051VYM30	-	FH	TR	30	30	500	5	0.39	500	200	30	YES		
68	RSX071VAM30	*	-	TR	30	30	700	5	0.42	700	200	30	-		
69	RSX071VYM30	-	FH	TR	30	30	700	5	0.42	700	200	30	YES		
70	RB168VAM-30	*	-	TR	30	30	1,000	5	0.73	1,000	0.3	30	-		
71	RB168VYM-30	-	FH	TR	30	30	1,000	5	0.73	1,000	0.3	30	YES		
72	RB550VAM-30	*	-	TR	30	30	1,000	5	0.52	1,000	30	10	-		
73	RB550VYM-30	-	FH	TR	30	30	1,000	3	0.52	1,000	30	10	YES		
74	RSX101VAM30	*	-	TR	30	30	1,000	5	0.47	1,000	200	30	-		
75	RSX101VYM30	-	FH	TR	30	30	1,000	5	0.47	1,000	200	30	YES		
76	RSX201VAM30	*	-	TR	30	30	1,500	8	0.46	1,500	300	30	-		
77	RSX201VYM30	-	FH	TR	30	30	1,500	8	0.46	1,500	30	30	YES		
78	RB400VAM-50	*	-	TR	50	40	500	3	0.55	500	50	30	-		
79	RB400VYM-50	-	FH	TR	50	40	500	3	0.55	500	50	30	YES		
80	RB160VAM-40	*	-	TR	40	40	1,000	10	0.55	700	50	40	-		
81	RB160VYM-40	-	FH	TR	40	40	1,000	10	0.55	700	50	40	YES		
82	RB168VAM-40	*	-	TR	40	40	1,000	5	0.79	1,000	0.5	40	-		

*General Part No. have no grade code.
 *1 I_O: Average output current per chip. In case of 1, 2 or 3 chip diodes. I_O indicates average output current of 1, 2 or 3 chips.
 *2 Value/Chip
 Note: Package is JEDEC code. () : ROHM Packages.

Schottky Barrier Diodes

Schottky Barrier Diodes

 Example:

R	B	1	6	0	V	Y	M	-	6	0	F	H	T	R
Part No.											Grade Code		Taping Code	

Small Signal type Schottky Barrier Diodes 3															
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _c =25°C)				Electrical Characteristics (T _j =25°C)*2				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O *1 (mA)	I _{FSM} (A)*2 (60Hz.1~)	V _F (V) Max	I _F (mA)	I _R (μA) Max	V _R (V)			
		General	Automotive												
83	RB168VYM-40	—	FH	TR	40	40	1,000	5	0.79	1,000	0.5	40	TUMD2M		YES
84	RB160VAM-60	*	—	TR	60	60	1,000	5	0.67	1,000	40	60			—
85	RB160VYM-60	—	FH	TR	60	60	1,000	5	0.67	1,000	40	60			YES
86	RB168VAM-60	*	—	TR	60	60	1,000	5	0.82	1,000	1	60			—
87	RB168VYM-60	—	FH	TR	60	60	1,000	5	0.82	1,000	1	60			YES
88	RB021VAM90	*	—	TR	90	90	200	5	0.49	200	900	90			—
89	RB578VAM100	*	—	TR	100	100	700	5	0.85	700	0.2	100			—
90	RB578VYM100	—	FH	TR	100	100	700	5	0.85	700	0.2	100			YES
91	RB168VAM100	*	—	TR	100	100	1,000	5	0.84	1,000	0.3	100			—
92	RB168VYM100	—	FH	TR	100	100	1,000	5	0.84	1,000	0.3	100			YES
93	RB558VAM150	*	—	TR	150	150	500	3	0.95	500	0.5	150			—
94	RB558VYM150	—	FH	TR	150	150	500	3	0.95	500	0.5	150			YES
95	RB168VAM150	*	—	TR	150	150	1,000	5	0.89	1,000	1	150			—
96	RB168VYM150	—	FH	TR	150	150	1,000	5	0.89	1,000	1	150			YES
97	RB715WM	*	FH	TL	40	40	30*2	0.2	0.37	1	1	10	SOT-416FL (EMD3F)		YES
98	RB715UM		FH	TL	40	40	30	0.2	0.37	1	1	10	SOT-323FL (UMD3F)		YES
99	BAT54CHM		FH	T116	30	30	200*2	0.6	0.8	100	2	25	SOT-23 (SSD3)		YES
100	BAS40-05HM		FH	T116	40	40	120*2	0.6	0.5	10	1	30	SOT-23 (SSD3)		YES
101	RB557WM		FH	TL	—	30	100*2	0.5	0.49	100	10	10	SOT-416FL (EMD3F)		YES
102	RB717UM		FH	TL	45	40	30*2	0.2	0.37	1	1	30	SOT-323FL (UMD3F)		YES
103	BAT54AHM		FH	T116	30	30	200*2	0.6	0.8	100	2	25	SOT-23 (SSD3)		YES
104	BAS40-06HM		FH	T116	40	40	120*2	0.6	0.5	10	1	30	SOT-23 (SSD3)		YES
105	RB548WM		FH	TL	—	30	100*2	0.5	0.45	10	0.5	10	SOT-416FL (EMD3F)		YES
106	RB558WM		FH	TL	—	30	100*2	0.5	0.49	100	10	10	SOT-416FL (EMD3F)		YES
107	RB706WM-40		FH	TL	45	40	30*2	0.2	0.37	1	0.5	30	SOT-323FL (UMD3F)		YES
108	RB706UM-40		FH	TL	45	40	30*2	0.2	0.37	1	1	30	SOT-323FL (UMD3F)		YES
109	BAT54SHM		FH	T116	30	30	200*2	0.6	0.8	100	2	25	SOT-23 (SSD3)		YES
110	BAS40-04HM		FH	T116	40	40	120*2	0.6	0.5	10	1	30	SOT-23 (SSD3)		YES
111	RB451UM	FH	TL	40	40	100	1	0.45	100	90	40	SOT-323FL (UMD3F)	YES		
112	RB450UM	FH	TL	45	40	100	1	0.55	100	10	40	SOT-323FL (UMD3F)	YES		
113	BAT54HM	FH	T116	30	30	200	0.6	0.8	100	2	25	SOT-23 (SSD3)	YES		
114	BAS40HM	FH	T116	40	40	120	0.6	0.5	10	1	30	SOT-23 (SSD3)	YES		




*General Part No. have no grade code.

 *1: I_O: Average output current per chip. In case of 1, 2 or 3 chip diodes. I_O indicates average output current of 1, 2 or 3 chips.

*2: Value/Chip




Note: Package is JEDEC code. (): ROHM Packages.

Quick Reference for Middle Power Schottky Barrier Diodes (High Efficient type)

V _R (V)	I _o (A)	Surface Mount type									
		3516 size				4725 size				5026 size	
											
		SOD-123FL (PMDU)				SOD-128 (PMDTM)				DO-214AC (PMDS) (SMA)	
Super Low V _F type		Low V _F type		Super Low V _F type		Low V _F type		Low V _F type			
20	1	RBS1MM40A	1			RBS1LAM40A	7				
	2	RBS2MM40A	2			RBS2LAM40A	8				
		RBS2MM40B	3			RBS2LAM40B	9				
		RBS2MM40C	4			RBS2LAM40C	10				
	3	RBS3MM40A	5			RBS3LAM40A	11				
RBS3MM40B		6			RBS3LAM40B	12					
	5				RBS3LAM40C	13					
					RBS5LAM40A	14					
30	1			RBR1MM30A	15			RBR1LAM30A	31	RBR1L30A	49
	2			RBR2MM30A	16			RBR2LAM30A	32	RBR2L30A	50
				RBR2MM30B	17						
	3			RBR3MM30A	18			RBR3LAM30A	33	RBR3L30A	51
								RBR3LAM30B	34	RBR3L30B	52
	5						RBR5LAM30A	35	RBR5L30A	53	
							RBR5LAM30B	36	RBR5L30B	54	
40	1			RBR1MM40A	19			RBR1LAM40A	37	RBR1L40A	55
	2			RBR2MM40A	20			RBR2LAM40A	38	RBR2L40A	56
				RBR2MM40B	21						
				RBR2MM40C	22						
	3			RBR3MM40A	23			RBR3LAM40A	39	RBR3L40A	57
			RBR3MM40B	24			RBR3LAM40B	40	RBR3L40B	58	
	5						RBR3LAM40C	41	RBR3L40C	59	
							RBR5LAM40A	42	RBR5L40A	60	
60	1			RBR1MM60A	25			RBR1LAM60A	43	RBR1L60A	61
	2			RBR2MM60A	26			RBR2LAM60A	44	RBR2L60A	62
				RBR2MM60B	27			RBR2LAM60B	45	RBR2L60B	63
				RBR2MM60C	28						
	3			RBR3MM60A	29			RBR3LAM60A	46	RBR3L60A	64
			RBR3MM60B	30			RBR3LAM60B	47	RBR3L60B	65	
	5						RBR5LAM60A	48	RBR5L60A	66	

Note: Package is JEDEC code. (): ROHM Packages. (<): GENERAL code.

Quick Reference for Middle Power Schottky Barrier Diodes (Standard type)

V _R (V)	I _o (A)	Surface Mount type													
		3516 size				4725 size				5026 size					
															
		SOD-123FL (PMDU)				SOD-128 (PMDTM)				DO-214AC (PMDS) (SMA)					
Super Low V _F type		Low V _F type		Super Low I _s type		Super Low V _F type		Low V _F type		Super Low I _s type					
20	5					RSX501LAM20	2								
30	1	RSX101MM-30	1		RB168MM-30	12		RB168LAM-30	21		RB168L-30	41			
	2				RB068MM-30	13	RSX201LAM30	3		RB068LAM-30	22	RSX201L-30	6	RB068L-30	42
							4	RSX205LAM30	4			7	RSX205L-30	7	RB058L-30
		3					5	RSX301LAM30	5		RB058LAM-30	23	RSX301L-30	8	RB058L-30
	5									RB088LAM-30	24				
40	1				RB168MM-40	14				RB168LAM-40	25			RB168L-40	44
	2				RB068MM-40	15				RB068LAM-40	26			RB068L-40	45
											RB058LAM-40	27			RB058L-40
		3									RB088LAM-40	28			
	5									RB168LAM-40	29				
60	1				RB168MM-60	16				RB168LAM-60	30			RB168L-60	47
	2				RB068MM-60	17				RB068LAM-60	31			RB068L-60	48
											RB058LAM-60	32			RB058L-60
		3									RB088LAM-60	32			
	5														
90	1		RB160MM-90	9				RB160LAM-90	10			RB160L-90	11		
100	1				RB168MM100	18				RB168LAM100	33			RB168L100	50
	2				RB068MM100	19				RB068LAM100	34			RB068L100	51
											RB058LAM100	35			
		3								RB088LAM100	36				
	5									RB168LAM150	37			RB168L150	52
150	1				RB168MM150	20				RB068LAM150	38			RB068L150	53
	2									RB058LAM150	39			RB058L150	54
											RB088LAM150	40			

Note: Package is JEDEC code. (): ROHM Packages. (<): GENERAL code.

Schottky Barrier Diodes

Schottky Barrier Diodes



Example: **RBR1MM30A**TFTR
Part No. Grade Code Taping Code

Middle Power Schottky Barrier Diodes (High Efficient type)															
Quick Reference No.	Product No.			Absolute Maximum Ratings (T _c =25°C)					Electrical Characteristics (T _j =25°C)				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code General	Grade Code Automotive	Taping Code	V _{RM} (V)	V _R (V)	I _o (A)	I _{FSM} (A) 60Hz.1~	V _F (V) Max	I _F (A)	I _R (mA) Max	V _R (V)			
Super Low V_F type															
1	RBS1MM40A	—	—	TR	40	20	1	25	0.38	1	0.4	20	SOD-123FL (PMDU)		—
2	RBS2MM40A	—	—	TR	40	20	2	25	0.48	2	0.4	20			—
3	RBS2MM40B	—	—	TR	40	20	2	35	0.41	2	0.5	20			—
4	RBS2MM40C	—	—	TR	40	20	2	45	0.39	2	0.6	20			—
5	RBS3MM40A	—	—	TR	40	20	3	35	0.49	3	0.5	20			—
6	RBS3MM40B	—	—	TR	40	20	3	45	0.45	3	0.6	20			—
7	RBS1LAM40A	—	—	TR	40	20	1	40	0.38	1	0.4	20			—
8	RBS2LAM40A	—	—	TR	40	20	2	40	0.48	2	0.4	20			—
9	RBS2LAM40B	—	—	TR	40	20	2	50	0.41	2	0.5	20			—
10	RBS2LAM40C	—	—	TR	40	20	2	80	0.37	2	0.8	20			—
11	RBS3LAM40A	—	—	TR	40	20	3	50	0.49	3	0.5	20			—
12	RBS3LAM40B	—	—	TR	40	20	3	60	0.45	3	0.6	20			—
13	RBS3LAM40C	—	—	TR	40	20	3	80	0.4	3	0.8	20			—
14	RBS5LAM40A	—	—	TR	40	20	5	80	0.49	5	0.8	20			—
Low V_F type															
15	RBR1MM30A	TF	—	TR	30	30	1	30	0.48	1	0.05	30	SOD-123FL (PMDU)		YES
16	RBR2MM30A	TF	—	TR	30	30	2	30	0.53	2	0.05	30			YES
17	RBR2MM30B	TF	—	TR	30	30	2	30	0.49	2	0.08	30			YES
18	RBR3MM30A	TF	—	TR	30	30	3	30	0.51	3	0.1	30			YES
19	RBR1MM40A	TF	—	TR	40	40	1	20	0.52	1	0.05	40			YES
20	RBR2MM40A	TF	—	TR	40	40	2	20	0.62	2	0.05	40			YES
21	RBR2MM40B	TF	—	TR	40	40	2	30	0.55	2	0.08	40			YES
22	RBR2MM40C	TF	—	TR	40	40	2	30	0.52	2	0.1	40			YES
23	RBR3MM40A	TF	—	TR	40	40	3	30	0.62	3	0.08	40			YES
24	RBR3MM40B	TF	—	TR	40	40	3	30	0.58	3	0.1	40			YES
25	RBR1MM60A	TF	—	TR	60	60	1	20	0.53	1	0.075	60			YES
26	RBR2MM60A	TF	—	TR	60	60	2	20	0.65	2	0.075	60			YES
27	RBR2MM60B	TF	—	TR	60	60	2	30	0.58	2	0.1	60			YES
28	RBR2MM60C	TF	—	TR	60	60	2	30	0.55	2	0.12	60			YES
29	RBR3MM60A	TF	—	TR	60	60	3	30	0.66	3	0.1	60			YES
30	RBR3MM60B	TF	—	TR	60	60	3	30	0.61	3	0.12	60			YES
31	RBR1LAM30A	TF	—	TR	30	30	1	40	0.48	1	0.05	30			YES
32	RBR2LAM30A	TF	—	TR	30	30	2	45	0.49	2	0.08	30			YES
33	RBR3LAM30A	TF	—	TR	30	30	3	40	0.58	3	0.05	30			YES
34	RBR3LAM30B	TF	—	TR	30	30	3	45	0.53	3	0.08	30			YES
35	RBR5LAM30A	TF	—	TR	30	30	5	75	0.54	5	0.1	30			YES
36	RBR5LAM30B	TF	—	TR	30	30	5	100	0.49	5	0.15	30			YES
37	RBR1LAM40A	TF	—	TR	40	40	1	40	0.52	1	0.05	40			YES
38	RBR2LAM40A	TF	—	TR	40	40	2	45	0.55	2	0.08	40			YES
39	RBR3LAM40A	TF	—	TR	40	40	3	40	0.69	3	0.05	40			YES
40	RBR3LAM40B	TF	—	TR	40	40	3	45	0.62	3	0.08	40			YES
41	RBR3LAM40C	TF	—	TR	40	40	3	75	0.55	3	0.1	40			YES
42	RBR5LAM40A	TF	—	TR	40	40	5	100	0.53	5	0.2	40			YES
43	RBR1LAM60A	TF	—	TR	60	60	1	40	0.53	1	0.075	60			YES
44	RBR2LAM60A	TF	—	TR	60	60	2	40	0.65	2	0.075	60			YES
45	RBR2LAM60B	TF	—	TR	60	60	2	75	0.52	2	0.15	60	YES		
46	RBR3LAM60A	TF	—	TR	60	60	3	45	0.66	3	0.1	60	YES		
47	RBR3LAM60B	TF	—	TR	60	60	3	75	0.56	3	0.15	60	YES		
47	RBR5LAM60A	TF	—	TR	60	60	5	100	0.55	5	0.25	60	YES		
49	RBR1L30A	DD	TE25	—	30	30	1	30	0.48	1	0.05	30	DO-214AC (PMDS) (SMA)	YES	
50	RBR2L30A	DD	TE25	—	30	30	2	40	0.49	2	0.08	30		YES	
51	RBR3L30A	DD	TE25	—	30	30	3	30	0.58	3	0.05	30		YES	
52	RBR3L30B	DD	TE25	—	30	30	3	40	0.53	3	0.08	30		YES	
53	RBR5L30A	DD	TE25	—	30	30	5	50	0.54	5	0.1	30		YES	
54	RBR5L30B	DD	TE25	—	30	30	5	50	0.49	5	0.15	30		YES	
55	RBR1L40A	DD	TE25	—	40	40	1	30	0.52	1	0.05	40		YES	
56	RBR2L40A	DD	TE25	—	40	40	2	40	0.55	2	0.08	40		YES	
57	RBR3L40A	DD	TE25	—	40	40	3	30	0.69	3	0.05	40		YES	
58	RBR3L40B	DD	TE25	—	40	40	3	40	0.62	3	0.08	40		YES	
59	RBR3L40C	DD	TE25	—	40	40	3	50	0.55	3	0.1	40		YES	
60	RBR5L40A	DD	TE25	—	40	40	5	50	0.53	5	0.2	40		YES	
61	RBR1L60A	DD	TE25	—	60	60	1	30	0.53	1	0.075	60		YES	
62	RBR2L60A	DD	TE25	—	60	60	2	30	0.65	2	0.075	60		YES	
63	RBR2L60B	DD	TE25	—	60	60	2	50	0.52	2	0.15	60		YES	
64	RBR3L60A	DD	TE25	—	60	60	3	40	0.66	3	0.1	60		YES	
65	RBR3L60B	DD	TE25	—	60	60	3	50	0.56	3	0.15	60		YES	
66	RBR5L60A	DD	TE25	—	60	60	5	50	0.55	5	0.25	60		YES	

*General Part No. have no grade code.
 Note: Package is JEDEC code. () : ROHM Packages. () : GENERAL code.

Schottky Barrier Diodes
 Example: **RSX101MM-30TFTR**
Part No. Grade Code Taping Code

Middle Power Schottky Barrier Diodes (Standard type)

Quick Reference No.	Product No.			Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
	Part No.	Grade Code General Automotive	Taping Code	V _{RM} (V)	V _S (V)	I _O (A)	I _{FSM} (A) 60Hz, 1ms	V _F (V) Max	I _F (A)	I _R (mA) Max	V _R (V)				
Super Low V_F type															
1	RSX101MM-30	*	TF	TR	30	30	1	45	0.39	1	0.2	30	SOD-123FL (PMDU)		YES
2	RSX501LAM20		—	TR	20	20	5	100	0.39	3	0.5	20	SOD-128 (PMDTM)		—
3	RSX201LAM30		TF	TR	30	30	2	60	0.44	2	0.15	30			YES
4	RSX205LAM30		TF	TR	30	30	2	60	0.49	2	0.2	30			YES
5	RSX301LAM30		TF	TR	30	30	3	100	0.42	3	0.2	15			YES
6	RSX201L-30	—	DD	TE25	30	30	2	60	0.44	2	0.15	30	DO-214AC (PMDS) (SMA)	YES	
7	RSX205L-30	—	TF	TE25	30	30	2	60	0.49	2	0.2	30	YES		
8	RSX301L-30	—	DD	TE25	30	30	3	70	0.42	3	0.2	30	YES		
Low V_F type															
9	RB160MM-90	*	TF	TR	90	90	1	30	0.73	1	0.1	90	SOD-123FL (PMDU)		YES
10	RB160LAM-90		TF	TR	95	90	1	50	0.73	1	0.1	90	SOD-128 (PMDTM)		YES
11	RB160L-90	—	TF	TE25	95	90	1	30	0.73	1	0.1	90	DO-214AC (PMDS) (SMA)	YES	
Super Low I_R type															
12	RB168MM-30	*	TF	TR	30	30	1	30	0.69	1	0.0006	30	SOD-123FL (PMDU)	YES	
13	RB068MM-30		TF	TR	30	30	2	50	0.7	2	0.0008	30		YES	
14	RB168MM-40		TF	TR	40	40	1	40	0.65	1	0.00055	40		YES	
15	RB068MM-40		TF	TR	40	40	2	40	0.725	2	0.00055	40		YES	
16	RB168MM-60		TF	TR	60	60	1	40	0.68	1	0.0015	60		YES	
17	RB068MM-60		TF	TR	60	60	2	40	0.765	2	0.0015	60		YES	
18	RB168MM100		TF	TR	100	100	1	40	0.81	1	0.0004	100		YES	
19	RB068MM100		TF	TR	100	100	2	40	0.87	2	0.0004	100		YES	
20	RB168MM150		TF	TR	150	150	1	35	0.84	1	0.004	150		YES	
21	RB168LAM-30		TF	TR	30	30	1	40	0.69	1	0.0006	30		YES	
22	RB068LAM-30	TF	TR	30	30	2	50	0.7	2	0.0008	30	YES			
23	RB058LAM-30	TF	TR	30	30	3	80	0.68	3	0.0025	30	YES			
24	RB088LAM-30	TF	TR	30	30	5	80	0.69	5	0.0025	30	YES			
25	RB168LAM-40	TF	TR	40	40	1	40	0.69	1	0.0005	40	YES			
26	RB068LAM-40	TF	TR	40	40	2	50	0.69	2	0.001	40	YES			
27	RB058LAM-40	TF	TR	40	40	3	90	0.69	3	0.0025	40	YES			
28	RB088LAM-40	TF	TR	40	40	5	90	0.71	5	0.0036	40	YES			
29	RB168LAM-60	TF	TR	60	60	1	40	0.68	1	0.0015	60	YES			
30	RB068LAM-60	TF	TR	60	60	2	70	0.68	2	0.002	60	YES			
31	RB058LAM-60	TF	TR	60	60	3	90	0.64	3	0.004	60	YES			
32	RB088LAM-60	TF	TR	60	60	5	90	0.71	5	0.004	60	YES			
33	RB168LAM100	TF	TR	100	100	1	40	0.81	1	0.0004	100	YES			
34	RB068LAM100	TF	TR	100	100	2	70	0.81	2	0.0015	100	YES			
35	RB058LAM100	TF	TR	100	100	3	80	0.81	3	0.003	100	YES			
36	RB088LAM100	TF	TR	100	100	5	80	0.87	5	0.003	100	YES			
37	RB168LAM150	TF	TR	150	150	1	50	0.84	1	0.0025	150	YES			
38	RB068LAM150	TF	TR	150	150	2	70	0.81	2	0.003	150	YES			
39	RB058LAM150	TF	TR	150	150	3	80	0.84	3	0.003	150	YES			
40	RB088LAM150	TF	TR	150	150	5	80	0.9	5	0.003	150	YES			
41	RB168L-30	—	TF	TE25	30	30	1	30	0.69	1	0.0006	30	YES		
42	RB068L-30	—	DD	TE25	30	30	2	60	0.7	2	0.0008	30	YES		
43	RB058L-30	—	DD	TE25	30	30	3	90	0.68	3	0.0025	30	YES		
44	RB168L-40	—	TF	TE25	40	40	1	50	0.65	1	0.00055	40	YES		
45	RB068L-40	—	DD	TE25	40	40	2	50	0.69	2	0.001	40	YES		
46	RB058L-40	—	DD	TE25	40	40	3	100	0.7	3	0.005	40	YES		
47	RB168L-60	—	TF	TE25	60	60	1	50	0.68	1	0.0015	60	YES		
48	RB068L-60	—	DD	TE25	60	60	2	90	0.68	2	0.002	60	YES		
49	RB058L-60	—	DD	TE25	60	60	3	120	0.64	3	0.004	60	YES		
50	RB168L100	—	DD	TE25	100	100	1	50	0.81	1	0.0004	100	YES		
51	RB068L100	—	DD	TE25	100	100	2	110	0.79	2	0.003	100	YES		
52	RB168L150	—	DD	TE25	150	150	1	50	0.84	1	0.004	150	YES		
53	RB068L150	—	DD	TE25	150	150	2	90	0.81	2	0.003	150	YES		
54	RB058L150	—	DD	TE25	150	150	3	90	0.85	3	0.003	150	YES		

*General Part No. have no grade code.
 Note: Package is JEDEC code. (): ROHM Packages. (<): GENERAL code.

Schottky Barrier Diodes

Quick Reference for Power Schottky Barrier Diodes (High Efficient type)

V _R (V)	I _O (A)	Surface Mount type						Through Hole type						
		TO-252GE (DPAK)		TO-252 (DPAK)		TO-263S (D2PAK)		TO-220FN <3pin>		TO-220FN <2pin>				
Low I _R type		Low V _F type		Low I _R type		Low V _F type		Low I _R type		Low I _R type				
30	10		RBR10BM30A	1		RBR10NS30A	10		RBR10T30A	22				
	15		RBR15BM30A	2										
	20		RBR20BM30A	3					RBR20T30A	23				
	30					RBR30NS30A	12		RBR30T30A	24				
	40					RBR40NS30A	13							
40/45	10		RBR10BM40A	4	RBQ10BM45A	33	RBR10NS40A	14	RBQ10NS45A	42	RBR10T40A	25	RBQ10T45A	52
	15		RBR15BM40A	5	RBQ15BM45A	34								
	20		RBR20BM40A	6	RBQ20BM45A	35	RBR20NS40A	15	RBQ20NS45A	43	RBR20T40A	26	RBQ20T45A	53
	30						RBR30NS40A	16	RBQ30NS45A	44	RBR30T40A	27	RBQ30T45A	54
	40						RBR40NS40A	17	RBQ30NS45B	51				RBQ30TB45B
60/65	10		RBR10BM60A	7	RBQ10BM65A	36	RBR10NS60A	18	RBQ10NS65A	45	RBR10T60A	28	RBQ10T65A	55
	15		RBR15BM60A	8	RBQ15BM65A	37								
	20		RBR20BM60A	9	RBQ20BM65A	38	RBR20NS60A	19	RBQ20NS65A	46	RBR20T60A	29	RBQ20T65A	56
	30						RBR30NS60A	20	RBQ30NS65A	47	RBR30T60A	30	RBQ30T65A	57
	40						RBR40NS60A	21						
100	10	RBQ10BGE100A	31		RBQ10BM100A	39			RBQ10NS100A	48			RBQ10T100A	58
	15	RBQ15BGE100A	32		RBQ15BM100A	40								
	20				RBQ20BM100A	41							RBQ20T100A	59
	30								RBQ30NS100A	50			RBQ30T100A	60

Note: Package is JEDEC code. (< >): GENERAL code.

: Under Development

Quick Reference for Power Schottky Barrier Diodes (Standard type)

V _R (V)	I _O (A)	Surface Mount type						Through Hole type	
		TO-252GE (DPAK)		TO-252 (DPAK)		TO-263S (D2PAK)		TO-220FN <3pin>	
Super Low I _R type		Super Low I _R type		Super Low I _R type		Super Low I _R type			
30	5			RB078BM30S	2				
	6			RB098BM-30	3				
	10			RB088BM-30	4	RB088NS-30	16	RB088T-30	39
	20					RB218NS-30	17	RB218T-30	40
	30					RB228NS-30	18	RB228T-30	41
40	5			RB075BM40S	5				
	6			RB098BM-40	6				
	10			RB088BM-40	7	RB088NS-40	20	RB088T-40	43
	20					RB218NS-40	21	RB218T-40	44
	30					RB228NS-40	22	RB228T-40	45
60	6			RB098BM-60	8				
	10			RB088BM-60	9	RB088NS-60	24	RB088T-60	47
	20					RB218NS-60	25	RB218T-60	48
	30					RB228NS-60	26	RB228T-60	49
	40					RB238NS-60	27	RB238T-60	50
100	6			RB098BM100	10				
	10			RB088BM100	11	RB088NS100	28	RB088T100	51
	20					RB218NS100	29	RB218T100	52
	30					RB228NS100	30	RB228T100	53
150	6			RB098BM150	12				
	10	RB088BGE150	1	RB088BM150	13	RB088NS150	33	RB088T150	56
	20					RB218NS150	34	RB218T150	57
	30					RB228NS150	35	RB228T150	58
	40					RB238NS150	36	RB238T150	59
200	10			New RB088BM200	14	New RB088NS200	37		
	20			New RB218BM200	15	New RB218NS200	38		

Note: Package is JEDEC code. (< >): GENERAL code.

Example: **R B R 1 0 B M 3 0 A F H T L**

Part No.
Grade Code
Taping Code

Quick Reference No.	Product No.				Absolute Maximum Ratings (T _c =25°C)				Electrical Characteristics (T _v =25°C)				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _o *1 (A)	I _{FSM} (A)*2	V _F (V) Max	I _F (A)	I _R (mA) Max	V _R (V)				
		General	Automotive													
Low V_F type																
1	RBR10BM30A		FH	TL	30	30	10	50	0.55	5	0.1	30	TO-252 (DPAK)		YES	
2	RBR15BM30A		FH	TL	30	30	15	100	0.51	7.5	0.2	30			YES	
3	RBR20BM30A		FH	TL	30	30	20	100	0.51	10	0.3	30			YES	
4	RBR10BM40A		FH	TL	40	40	10	50	0.62	5	0.12	40			YES	
5	RBR15BM40A		FH	TL	40	40	15	100	0.55	7.5	0.24	40			YES	
6	RBR20BM40A		FH	TL	40	40	20	100	0.55	10	0.36	40			YES	
7	RBR10BM60A		FH	TL	60	60	10	50	0.65	5	0.2	60			YES	
8	RBR15BM60A		FH	TL	60	60	15	100	0.58	7.5	0.4	60			YES	
9	RBR20BM60A		FH	TL	60	60	20	100	0.59	10	0.6	60			YES	
10	RBR10NS30A		FH	TL	30	30	10	50	0.55	5	0.1	30			YES	
11	RBR20NS30A	*	FH	TL	30	30	20	100	0.55	10	0.2	30			YES	
12	RBR30NS30A		FH	TL	30	30	30	100	0.55	15	0.3	30			YES	
13	RBR40NS30A		FH	TL	30	30	40	100	0.52	20	0.6	30			YES	
14	RBR10NS40A		FH	TL	40	40	10	50	0.62	5	0.12	40			YES	
15	RBR20NS40A		FH	TL	40	40	20	100	0.62	10	0.24	40			YES	
16	RBR30NS40A		FH	TL	40	40	30	100	0.62	15	0.36	40			YES	
17	RBR40NS40A		FH	TL	40	40	40	100	0.55	20	0.43	40			YES	
18	RBR10NS60A		FH	TL	60	60	10	50	0.65	5	0.2	60			YES	
19	RBR20NS60A		FH	TL	60	60	20	100	0.64	10	0.4	60			YES	
20	RBR30NS60A		FH	TL	60	60	30	100	0.67	15	0.6	60			YES	
21	RBR40NS60A		FH	TL	60	60	40	100	0.6	20	0.8	60			YES	
22	RBR10T30A	NZ	—	C9	30	30	10	50	0.55	5	0.1	30	TO-220FN <3pin>		—	
23	RBR20T30A	NZ	—	C9	30	30	20	100	0.55	10	0.2	30			—	
24	RBR30T30A	NZ	—	C9	30	30	30	100	0.55	15	0.3	30			—	
25	RBR10T40A	NZ	—	C9	40	45	10	50	0.62	5	0.12	40			—	
26	RBR20T40A	NZ	—	C9	40	45	20	100	0.62	10	0.24	40			—	
27	RBR30T40A	NZ	—	C9	40	45	30	100	0.62	15	0.36	40			—	
28	RBR10T60A	NZ	—	C9	60	60	10	50	0.65	5	0.2	60			—	
29	RBR20T60A	NZ	—	C9	60	60	20	100	0.64	10	0.4	60			—	
30	RBR30T60A	NZ	—	C9	60	60	30	100	0.67	15	0.6	60			—	
Low I_R type																
31	RBQ10BGE100A		—	TL	100	100	10	100	0.77	5	0.08	100	TO-252GE (DPAK)		—	
32	RBQ15BGE100A		—	TL	100	100	15	100	0.71	7.5	0.14	100			—	
33	RBQ10BM45A	*	FH	TL	45	45	10	50	0.65	5	0.07	45			YES	
34	RBQ15BM45A		FH	TL	45	45	15	100	0.59	7.5	0.14	45			YES	
35	RBQ20BM45A		FH	TL	45	45	20	100	0.59	10	0.2	45			YES	
36	RBQ10BM65A		FH	TL	65	65	10	50	0.69	5	0.07	65			YES	
37	RBQ15BM65A		FH	TL	65	65	15	100	0.63	7.5	0.14	65			YES	
38	RBQ20BM65A		FH	TL	65	65	20	100	0.63	10	0.2	65			YES	
39	RBQ10BM100A	—	FH	TL	100	100	10	100	0.77	5	0.08	100			YES	
40	RBQ15BM100A		FH	TL	100	100	15	100	0.71	7.5	0.14	100			YES	
41	RBQ20BM100A		FH	TL	100	100	20	100	0.69	10	0.2	100	YES			
42	RBQ10NS45A		FH	TL	45	45	10	100	0.65	5	0.07	45	YES			
43	RBQ20NS45A		FH	TL	45	45	20	100	0.65	10	0.14	45	YES			
44	RBQ30NS45A		FH	TL	45	45	30	100	0.65	15	0.2	45	YES			
45	RBQ10NS65A	*	FH	TL	65	65	10	100	0.69	5	0.07	65	YES			
46	RBQ20NS65A		FH	TL	65	65	20	100	0.69	10	0.14	65	YES			
47	RBQ30NS65A		FH	TL	65	65	30	100	0.69	15	0.2	65	YES			
48	RBQ10NS100A		FH	TL	100	100	10	100	0.77	5	0.08	100	YES			
49	RBQ20NS100A		FH	TL	100	100	20	100	0.77	10	0.14	100	YES			
50	RBQ30NS100A		FH	TL	100	100	30	100	0.77	15	0.2	100	YES			
51	RBQ30NS45B		FH	TL	45	45	30	100	0.59	30	0.7	45	TO-220FN <2pin>		—	
52	RBQ10T45A	NZ	—	C9	45	45	10	100	0.65	5	0.07	45			—	
53	RBQ20T45A	NZ	—	C9	45	45	20	100	0.65	10	0.14	45			—	
54	RBQ30T45A	NZ	—	C9	45	45	30	100	0.65	15	0.2	45			—	
55	RBQ10T65A	NZ	—	C9	65	65	10	100	0.69	5	0.07	65			—	
56	RBQ20T65A	NZ	—	C9	65	65	20	100	0.69	10	0.14	65			—	
57	RBQ30T65A	NZ	—	C9	65	65	30	100	0.69	15	0.2	65			—	
58	RBQ10T100A	NZ	—	C9	100	100	10	100	0.77	5	0.08	100			—	
59	RBQ20T100A	NZ	—	C9	100	100	20	100	0.77	10	0.14	100			—	
60	RBQ30T100A	NZ	—	C9	100	100	30	100	0.77	15	0.2	100			—	
61	RBQ30TB45B	NZ	—	C9	45	45	30	100	0.59	30	0.7	45	—			

*General Part No. have no grade code.

*1 I_o: Average rectified output current per die. In case of 2 dies, I_o indicates average output current of 2 dies.

*2 Value/Die

Note: Package is JEDEC code. () : GENERAL code.

: Under Development

Schottky Barrier Diodes

Schottky Barrier Diodes

Example: **R B 0 7 8 B M 3 0 S F H T L**
Part No. Grade Code Taping Code

Power Schottky Barrier Diodes (Standard type)															
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _c =25°C)				Electrical Characteristics (T _j =25°C)				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O *1 (A)	I _{FSM} (A)*2	V _F (V) Max	I _F (A)	I _R (mA) Max	V _R (V)			
		General	Automotive												
Super Low I_R type															
1	RB088BGE150	*	—	TL	150	150	10	50	0.88	5	0.015	150	TO-252GE (DPAK)		—
2	RB078BM30S	*		FH TL	35 30	30	5 50	0.72	5	0.005	30	TO-252 (DPAK)		YES	
3	RB098BM-30		FH TL	35 30	6 50	0.72	3	0.0015	30	YES					
4	RB088BM-30		FH TL	35 30	10 50	0.72	5	0.003	30	YES					
5	RB075BM40S		FH TL	40 40	5 50	0.75	5	0.005	40	YES					
6	RB098BM-40		FH TL	45 40	6 50	0.77	3	0.0015	40	YES					
7	RB088BM-40		FH TL	45 40	10 50	0.77	5	0.003	40	YES					
8	RB098BM-60		FH TL	60 60	6 50	0.83	3	0.0015	60	YES					
9	RB088BM-60		FH TL	60 60	10 50	0.83	5	0.003	60	YES					
10	RB098BM100		FH TL	110 100	6 100	0.77	3	0.003	100	YES					
11	RB088BM100		FH TL	100 100	10 100	0.87	5	0.005	100	YES					
12	RB098BM150		FH TL	150 150	6 100	0.83	3	0.007	150	YES					
13	RB088BM150		—		FH TL	150 150	10 100	0.88	5	0.015	150		YES		
14	New RB088BM200			FH TL	200 200	10 100	0.88	5	0.007	200	YES				
15	New RB218BM200			FH TL	200 200	20 100	0.88	10	0.01	200	YES				
16	RB088NS-30	*		FH TL	35 30	10 50	0.72	5	0.003	30	YES	TO-263S (D2PAK)		YES	
17	RB218NS-30		FH TL	35 30	20 100	0.72	10	0.005	30	YES					
18	RB228NS-30		FH TL	35 30	30 100	0.72	15	0.01	30	YES					
19	RB238NS-30		FH TL	35 30	40 100	0.75	20	0.012	30	YES					
20	RB088NS-40		FH TL	45 40	10 50	0.77	5	0.003	40	YES					
21	RB218NS-40		FH TL	45 40	20 100	0.77	10	0.005	40	YES					
22	RB228NS-40		FH TL	45 40	30 100	0.77	15	0.01	40	YES					
23	RB238NS-40		FH TL	45 40	40 100	0.8	20	0.012	40	YES					
24	RB088NS-60		FH TL	60 60	10 50	0.83	5	0.003	60	YES					
25	RB218NS-60		FH TL	60 60	20 100	0.83	10	0.005	60	YES					
26	RB228NS-60		FH TL	60 60	30 100	0.83	15	0.01	60	YES					
27	RB238NS-60		FH TL	60 60	40 100	0.86	20	0.012	60	YES					
28	RB088NS100	FH TL	110 100	10 100	0.87	5	0.005	100	YES						
29	RB218NS100	FH TL	110 100	20 100	0.87	10	0.007	100	YES						
30	RB228NS100	FH TL	110 100	30 100	0.87	15	0.005	100	YES						
31	RB298NS100	FH TL	110 100	30 100	0.87	15	0.01	100	YES						
32	RB238NS100	FH TL	110 100	40 100	0.86	20	0.02	100	YES						
33	RB088NS150	FH TL	150 150	10 50	0.88	5	0.015	150	YES						
34	RB218NS150	FH TL	150 150	20 100	0.88	10	0.02	150	YES						
35	RB228NS150	FH TL	150 150	30 100	0.88	15	0.025	150	YES						
36	RB238NS150	FH TL	150 150	40 100	0.87	20	0.03	150	YES						
37	New RB088NS200	FH TL	200 200	10 100	0.88	5	0.007	200	YES						
38	New RB218NS200	FH TL	200 200	20 100	0.88	10	0.01	200	YES						
39	RB088T-30	NZ	—	C9	35 30	10 50	0.72	5	0.003	30	—	TO-220FN <3pin>		—	
40	RB218T-30	NZ	—	C9	35 30	20 100	0.72	10	0.005	30	—				
41	RB228T-30	NZ	—	C9	35 30	30 100	0.72	15	0.01	30	—				
42	RB238T-30	NZ	—	C9	35 30	40 100	0.75	20	0.012	30	—				
43	RB088T-40	NZ	—	C9	45 40	10 50	0.77	5	0.003	40	—				
44	RB218T-40	NZ	—	C9	45 40	20 100	0.77	10	0.005	40	—				
45	RB228T-40	NZ	—	C9	45 40	30 100	0.77	15	0.01	40	—				
46	RB238T-40	NZ	—	C9	45 40	40 100	0.8	20	0.012	40	—				
47	RB088T-60	NZ	—	C9	60 60	10 50	0.83	5	0.003	60	—				
48	RB218T-60	NZ	—	C9	60 60	20 100	0.83	10	0.005	60	—				
49	RB228T-60	NZ	—	C9	60 60	30 100	0.83	15	0.01	60	—				
50	RB238T-60	NZ	—	C9	60 60	40 100	0.86	20	0.012	60	—				
51	RB088T100	NZ	—	C9	110 100	10 100	0.87	5	0.005	100	—				
52	RB218T100	NZ	—	C9	110 100	20 100	0.87	10	0.007	100	—				
53	RB228T100	NZ	—	C9	110 100	30 100	0.87	15	0.005	100	—				
54	RB298T100	NZ	—	C9	110 100	30 100	0.87	15	0.01	100	—				
55	RB238T100	NZ	—	C9	110 100	40 100	0.86	20	0.02	100	—				
56	RB088T150	NZ	—	C9	150 150	10 50	0.88	5	0.015	150	—				
57	RB218T150	NZ	—	C9	150 150	20 100	0.88	10	0.02	150	—				
58	RB228T150	NZ	—	C9	150 150	30 100	0.88	15	0.025	150	—				
59	RB238T150	NZ	—	C9	150 150	40 100	0.87	20	0.03	150	—				

*General Part No. have no grade code.
 *1 I_O: Average rectified output current per die. In case of 2 dies, I_O indicates average output current of 2 dies.
 *2 Value/Die
 Note: Package is JEDEC code. (< >): GENERAL code.

Fast Recovery Diodes

Quick Reference for Small Signal/Middle Power Fast Recovery Diodes

Fast Recovery Diodes
 Example:

R	F	O	1	V	M	2	S
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F	H	T	E	-	1	7
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Part No. Grade Code Taping Code

V _R (V)	I _O (A)	Surface Mount type							
		1608 Size SOD-523 (EMD2)	2512 Size SOD-323FL (UMD2)	2514 Size (TUMD2M)		3516 Size SOD-123FL (PMDU)	4725 Size SOD-128 (PMDTM)	5026 size DO-214AC (PMDs) (SMA)	2928 Size SOT-457T (TSMD6)
100	0.5			RF05VAM1S 3 RF05VYM1S 4					
200	0.4								RF04UA2D 34
	0.5			RF05VAM2S 5 RF05VYM2S 6		RFC02MM2S 9			
	0.7					RF071MM2S 10			
	0.8					RF081MM2S 11			
	1						RF101LAM2S 12	RF101L2S 24	
	1.1						RF081LAM2S 13	RF081L2S 25	
	2						RF201LAM2S 14 RF202LAM2S 15	RF201L2S 26	
250	0.1		RF01VM2S 2						
	1						RF071LAM4S 17 RF101LAM4S 18	RF071L4S 27 RF101L4S 28	
	1.5						RF201LAM4S 19 RFN2LAM4S 20	RF201L4S 29 RFN2L4S 30	
400	0.1	RFU01SM4S 1							
	0.2				RFU02VSM6S 7				
	1.5						RFN1LAM6S 21 RFN2LAM6S 22	RFN1L6S 31 RFN2L6S 32	
450	0.1								
600	0.8						RFN1LAM7S 23	RFN1L7S 33	
	1.5								
700	0.8								
800	0.2				RFU02VSM8S 8				

Note: Package is JEDEC code. (): ROHM Packages. (<): GENERAL code.

Small Signal/Middle Power Fast Recovery Diodes

Quick Reference No.	Product No.			Absolute Maximum Ratings (T _c =25°C or T _l =25°C)				Electrical Characteristics (T _j =25°C)*1						Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101				
	Part No.	Grade Code General Automotive	Taping Code	V _{RM} (V)	V _R (V)	I _O (A)	I _{FSM} (A) 60Hz, 1↔	V _F (V) Max	I _F (A)	I _R (μA) Max	V _R (V)	t _{rr} (ns) Max	I _F (A)				I _R (A)			
1	RFU01SM4S	*	-	TR	450	450	0.1	1	1.8	0.1	10	450	35	0.1	0.1	SOD-523 (EMD2)	-	-		
2	RF01VM2S	*	FH	TE-17	250	250	0.1	1	1.2	0.1	10	250	50	*	*	SOD-323FL (UMD2)		YES		
3	RF05VAM1S	*	-	TR	100	100	0.5	6	0.98	0.5	10	100	25	0.5	1	(TUMD2M)		-		
4	RF05VYM1S	*	FH	TR	100	100	0.5	6	0.98	0.5	10	100	25	0.5	1			YES		
5	RF05VAM2S	*	-	TR	200	200	0.5	6	0.98	0.5	10	200	25	0.5	1			-		
6	RF05VYM2S	*	FH	TR	200	200	0.5	6	0.98	0.5	10	200	25	0.5	1			YES		
7	RFU02VSM6S	*	-	TR	600	600	0.2	1	2.2	0.2	10	600	35	0.1	0.1		(TUMD2SM)		-	
8	RFU02VSM8S	*	-	TR	800	800	0.2	1	3	0.2	10	800	35	0.1	0.1				-	
9	RFC02MM2S	*	-	TR	200	200	0.5	10	0.95	0.5	1	200	35	0.1	0.2	SOD-123FL (PMDU)		YES		
10	RF071MM2S	*	-	TR	200	200	0.7	15	0.85	0.7	10	200	25	0.5	1			YES		
11	RF081MM2S	*	-	TR	200	200	0.8	20	0.95	0.8	10	200	25	0.5	1			YES		
12	RF101LAM2S	*	-	TR	200	200	1	20	0.87	1	10	200	25	0.5	1			YES		
13	RF081LAM2S	*	-	TR	200	200	1.1	25	0.98	1	10	200	25	0.5	1			YES		
14	RF201LAM2S	*	-	TR	200	200	2	20	0.87	2	10	200	25	0.5	1	SOD-128 (PMDTM)		YES		
15	RF202LAM2S	*	-	TR	200	200	2	20	0.93	2	10	200	25	0.5	1				YES	
16	RF302LAM2S	*	-	TR	200	200	3	20	0.92	3	10	200	25	0.5	1				YES	
17	RF071LAM4S	*	-	TR	400	400	1	15	1.25	0.7	10	400	25	0.5	1				YES	
18	RF101LAM4S	*	-	TR	400	400	1	25	1.25	1	10	400	25	0.5	1				YES	
19	RF201LAM4S	*	-	TR	400	400	1.5	50	1.2	1.5	1	400	30	0.5	1				YES	
20	RFN2LAM4S	*	-	TR	400	400	1.5	50	1.2	1.5	1	400	30	0.5	1				YES	
21	RFN1LAM6S	*	-	TR	600	600	0.8	15	1.45	0.8	1	600	35	0.5	1				YES	
22	RFN2LAM6S	*	-	TR	600	600	1.5	40	1.55	1.5	1	600	35	0.5	1				YES	
23	RFN1LAM7S	*	-	TR	700	700	0.8	15	1.5	0.8	1	700	80	0.5	1				YES	
24	RF101L2S	*	-	TR	200	200	1	20	0.87	1	10	200	25	0.5	1	DO-214AC (PMDs) (SMA)		YES		
25	RF081L2S	*	-	TR	200	200	1.1	25	0.98	1	10	200	25	0.5	1				YES	
26	RF201L2S	*	-	TR	200	200	2	20	0.87	2	10	200	25	0.5	1				YES	
27	RF071L4S	*	-	TR	400	400	1	15	1.25	0.7	10	400	25	0.5	1				YES	
28	RF101L4S	*	-	TR	400	400	1	25	1.25	1	10	400	25	0.5	1				YES	
29	RF201L4S	*	-	TR	400	400	1.5	50	1.2	1.5	1	400	30	0.5	1				YES	
30	RFN2L4S	*	-	TR	400	400	1.5	50	1.2	1.5	1	400	30	0.5	1				YES	
31	RFN1L6S	*	-	TR	600	600	0.8	15	1.45	0.8	1	600	35	0.5	1				YES	
32	RFN2L6S	*	-	TR	600	600	1.5	40	1.55	1.5	1	600	35	0.5	1				YES	
33	RFN1L7S	*	-	TR	700	700	0.8	15	1.5	0.8	1	700	80	0.5	1				YES	
34	RF04UA2D	*	-	TR	200	200	0.4	1	0.98	0.2	10	200	25	0.5	1			SOT-457T (TSMD6)		YES

*General Part No. have no grade code.
 *1 Value/Chip *2 V_R=6V, I_F=10mA, I_{rr}=0.1I_R
 Note: Package is JEDEC code. (): ROHM Packages. (<): GENERAL code.

Diodes

Fast Recovery Diodes

Quick Reference for Power Fast Recovery Diodes

V _R (V)	I _O (A)	Surface Mount type					Through Hole type								
		TO-252GE (DPAK)		TO-252 (DPAK)		TO-263S (D2PAK)	TO-220FN <2pin>	TO-220FN <3pin>	TO-220NFM <2pin>	TO-220AC	TO-220ACFP				
200	3	RF301BGE2S	17	RF301BM2S RFN3BM2S	21 22										
	5			RF501BM2S	23										
					RFN5BM2S	24									
	6			RF601BM2D RFN6BM2D	1 2			RFN6T2D RF601T2D	8 9						
	10					RF1001NS2D	3			RF1001T2D RFN10T2D	10 11				
	16					RF1601NS2D	4			RF1601T2D RFN16T2D	12 13				
20						RF2001NS2D	5			RF2001T2D RFN20T2D	14 15				
	20					RF2001NS3D	6			RF2001T3D	16	RF1501TF3S	53		
350	5	RFN5BGE3S	18	RFN5BM3S	25										
	10			RFN10BM3S	33	RFN10NS3S	35								
	20					RFN20NS3S RFUH25NS3S RFUH20NS3S	36 37 38	RFUH25TB3S RFUH20TB3S	47 48						
430	10					RFN10NS4S RFUH10NS4S	39 40	RFN10TB4S RFUH10TB4S	49 50						
	20					RFN20NS4S RFUH20NS4S	41 42	RFN20TB4S RFUH20TB4S	51 52						
600	3	RFN3BGE6S	19	RFN3BM6S RF305BM6S	26 27										
	5	RFNL5BGE6S	20	RFNL5BM6S	28					RFN5TF6S	54		RFNL5TJ6S	63	
				RFNL5BM6S	29					RFUH5TF6S	55				
				RF505BM6S	30					RF505TF6S	56				
				RFV5BM6S	31										
	8			RFV8BM6S	32						RFV8TG6S	73 74	RFV8TJ6S	64 65	
	10			RFN10BM6S	34	RFUH10NS6S RFN10NS6S	43 44			RFUH10TF6S RFN10TF6S RF1005TF6S	57 58 59		RFNL10TJ6S	66	
	12											RFV12TG6S	75	RFV12TJ6S	67
	15											RFV15TG6S	76	RFNL15TJ6S RFV15TJ6S	69 68
	20					RFN20NS6S RFUH20NS6S	45 46			RFN20TF6S RFUH20TF6S	60 61		RFU20TJ6S RFN20TJ6S RFNL20TJ6S	70 71 72	
30											RFV30TG6S	77			
800	5									RFN5TF8S	62				
	10					RFN10NS8D	7								

Note: Package is JEDEC code. (): GENERAL code.

Power Fast Recovery Diodes 1																			
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _c =25°C)				Electrical Characteristics (T _j =25°C)*2						Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101		
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O *1 (A)	I _{FSM} (A)*2 60Hz, 1ms	V _F (V) Max	I _F (A)	I _R (μA) Max	V _R (V)	t _{rr} (ns) Max	I _F (A)				I _R (A)	
1	RF601BM2D	*	FH	TL	200	200	6	60	0.93	3	10	200	25	0.5	1	TO-252 (DPAK)		YES	
2	RFN6BM2D		FH	TL	200	200	6	40	0.98	3	10	200	25	0.5	1			YES	
3	RF1001NS2D		FH	TL	200	200	10	80	0.93	5	10	200	25	0.5	1			YES	
4	RF1601NS2D	*	FH	TL	200	200	16	100	0.93	8	10	200	30	0.5	1			TO-263S (D2PAK)	YES
5	RF2001NS2D		FH	TL	200	200	20	100	0.93	10	10	200	30	0.5	1				YES
6	RF2001NS3D		FH	TL	350	300	20	100	1.3	10	10	300	25	0.5	1			YES	
7	RFN10NS8D		FH	TL	800	800	10	60	2.1	5	10	800	40	0.5	1			YES	
8	RFN6T2D	NZ	—	C9	200	200	6	40	0.98	3	10	200	25	0.5	1			TO-220FN <3pin>	—
9	RF601T2D	NZ	—	C9	200	200	6	60	0.93	3	10	200	25	0.5	1				—
10	RF1001T2D	NZ	—	C9	200	200	10	80	0.93	5	10	200	30	0.5	1				—
11	RFN10T2D	NZ	—	C9	200	200	10	80	0.98	5	10	200	25	0.5	1				—
12	RF1601T2D	NZ	—	C9	200	200	16	100	0.93	8	10	200	30	0.5	1				—
13	RFN16T2D	NZ	—	C9	200	200	16	100	0.98	8	10	200	30	0.5	1				—
14	RF2001T2D	NZ	—	C9	200	200	20	100	0.93	10	10	200	30	0.5	1				—
15	RFN20T2D	NZ	—	C9	200	200	20	100	0.98	10	10	200	30	0.5	1				—
16	RF2001T3D	NZ	—	C9	350	300	20	100	1.3	10	10	300	25	0.5	1			—	
17	RF301BGE2S	*	—	—	TL	200	200	3	40	0.93	3	10	200	25	0.5	1	TO-252GE (DPAK)	—	
18	RFN5BGE3S		—	—	TL	350	350	5	50	1.5	5	10	350	30	0.5	1		—	
19	RFN3BGE6S		—	—	TL	600	600	3	20	1.55	3	10	600	30	0.5	1		—	
20	RFNLSBGE6S		—	—	TL	600	600	5	50	1.3	5	10	600	60	0.5	1		—	
21	RF301BM2S	—	FH	TL	200	200	3	40	0.93	3	10	200	25	0.5	0.5	TO-252 (DPAK)		YES	
22	RFN3BM2S	*	FH	TL	200	200	3	40	0.98	3	10	200	25	0.5	1			YES	
23	RF501BM2S		FH	TL	200	200	5	40	0.92	5	1	200	25	0.5	1			YES	
24	RFN5BM2S	*	FH	TL	200	200	5	40	0.98	5	10	200	25	0.5	1			YES	
25	RFN5BM3S	—	FH	TL	350	350	5	50	1.5	5	10	350	30	0.5	1			YES	
26	RFN3BM6S	—	FH	TL	600	600	3	20	1.55	3	10	600	30	0.5	1			YES	
27	RF305BM6S	*	FH	TL	600	600	3	50	1.7	3	10	600	30	0.5	1			YES	
28	RFNLSBM6S	—	FH	TL	600	600	5	50	1.3	5	10	600	60	0.5	1			YES	
29	RFN5BM6S	*	FH	TL	600	600	5	30	1.55	5	10	600	50	0.5	1			YES	
30	RF505BM6S		FH	TL	600	600	5	50	1.7	5	10	600	30	0.5	1			YES	
31	RFV5BM6S	*	FH	TL	600	600	5	60	2.8	5	10	600	20	0.5	1			YES	
32	RFV8BM6S		FH	TL	600	600	8	100	2.8	8	10	600	25	0.5	1			YES	
33	RFN10BM3S	*	FH	TL	350	350	10	80	1.5	10	10	350	30	0.5	1	TO-252 (DPAK)		YES	
34	RFN10BM6S		FH	TL	600	600	10	100	1.55	10	10	600	50	0.5	1			YES	
35	RFN10NS3S		FH	TL	350	350	10	100	1.5	10	10	350	30	0.5	1			YES	
36	RFN20NS3S		FH	TL	350	350	20	100	1.35	20	10	350	35	0.5	1			YES	
37	RFUH25NS3S		FH	TL	350	350	20	100	1.45	20	10	350	30	0.5	1			YES	
38	RFUH20NS3S		FH	TL	350	350	20	100	1.5	20	10	350	25	0.5	1			YES	
39	RFN10NS4S	*	FH	TL	430	430	10	80	1.55	10	10	430	30	0.5	1			TO-263S (D2PAK)	YES
40	RFUH10NS4S		FH	TL	430	430	10	80	1.7	10	10	430	25	0.5	1				YES
41	RFN20NS4S		FH	TL	430	430	20	100	1.55	20	10	430	30	0.5	1				YES
42	RFUH20NS4S		FH	TL	430	430	20	100	1.7	20	10	430	25	0.5	1				YES
43	RFUH10NS6S		FH	TL	600	600	10	60	2.8	10	10	600	25	0.5	1				YES
44	RFN10NS6S	*	FH	TL	600	600	10	100	1.55	10	10	600	50	0.5	1				YES
45	RFN20NS6S		FH	TL	600	600	20	100	1.55	20	10	600	60	0.5	1				YES
46	RFUH20NS6S		FH	TL	600	600	20	100	2.8	20	10	600	35	0.5	1				YES

*General Part No. have no grade code.
 *1 I_O: Average rectified output current die. In case of 2 dies, I_O indicates average output current of 2 chips. *2 Value/Chip
 Note: Package is JEDEC code. (): GENERAL code.

Fast Recovery Diodes

Fast Recovery Diodes

Example:

R	F	U	H	2	5	T	B	3	S	H	Z	C	9
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Part No. Grade Code Taping Code

Power Fast Recovery Diodes 2																			
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)								Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O (A)	I _{FSM} (A) 60Hz, 1ms	V _F (V) Max	I _F (A)	I _R (μA) Max	V _R (V)	t _{rr} (ns) Max	I _F (A)	I _R (A)				
	General	Automotive																	
47	RFUH25TB3S	NZ	—	C9	350	350	20	100	1.45	20	10	350	30	0.5	1	TO-220FN <2pin>		—	
48	RFUH20TB3S	NZ	—	C9	350	350	20	100	1.5	20	10	350	25	0.5	1			—	
49	RFN10TB4S	NZ	—	C9	430	430	10	80	1.7	10	10	430	25	0.5	1			—	
50	RFUH10TB4S	NZ	—	C9	430	430	10	80	1.55	10	10	430	30	0.5	1			—	
51	RFN20TB4S	NZ	—	C9	430	430	20	100	1.55	20	10	430	30	0.5	1			—	
52	RFUH20TB4S	NZ	—	C9	430	430	20	100	1.7	20	10	430	25	0.5	1			—	
53	RF1501TF3S	*	FH	C9	350	300	20	100	1.5	20	10	300	30	0.5	1	TO-220NFM <2pin>		YES	
54	RFN5TF6S		FH	C9	600	600	5	30	1.55	5	10	600	50	0.5	1			YES	
55	RFUH5TF6S		FH	C9	600	600	5	30	2.8	5	10	600	25	0.5	1			YES	
56	RF505TF6S		FH	C9	600	600	5	80	1.7	5	10	600	30	0.5	1			YES	
57	RFUH10TF6S		FH	C9	600	600	10	60	2.8	10	10	600	25	0.5	1			YES	
58	RFN10TF6S		FH	C9	600	600	10	100	1.55	10	10	600	50	0.5	1			YES	
59	RF1005TF6S		FH	C9	600	600	10	100	1.7	10	10	600	40	0.5	1			YES	
60	RFN20TF6S		FH	C9	600	600	20	100	1.55	20	10	600	60	0.5	1			YES	
61	RFUH20TF6S		FH	C9	600	600	20	100	2.8	20	10	600	35	0.5	1			YES	
62	RFN5TF8S		FH	C9	800	800	5	60	2.1	5	10	800	40	0.5	1			YES	
63	RFN15TJ6S	G	FHG	C9	600	600	5	50	1.3	5	10	600	60	0.5	1	TO-220ACFP		YES	
64	RFV8TJ6S	G	—	C9	600	600	8	60	3	8	10	600	20	0.5	1			—	
65	RFV8TJ6S	G	—	C9	600	600	8	100	2.8	8	10	600	25	0.5	1			—	
66	RFN10TJ6S	G	FHG	C9	600	600	10	120	1.25	8	10	600	65	0.5	1			YES	
67	RFV12TJ6S	G	—	C9	600	600	12	120	2.8	12	10	600	25	0.5	1			—	
68	RFV15TJ6S	G	—	C9	600	600	15	150	2.8	15	10	600	30	0.5	1			—	
69	RFN15TJ6S	G	FHG	C9	600	600	15	160	1.3	15	10	600	65	0.5	1			YES	
70	RFUH20TJ6S	G	FHG	C9	600	600	20	120	2.8	20	10	600	35	0.5	1			YES	
71	RFN20TJ6S	G	FHG	C9	600	600	20	150	1.55	20	10	600	60	0.5	1			YES	
72	RFN120TJ6S	G	FHG	C9	600	600	20	200	1.3	20	10	600	70	0.5	1			YES	
73	RFV8TG6S	G	—	C9	600	600	8	60	3	8	10	600	20	0.5	1	TO-220AC		—	
74	RFV8TG6S	G	—	C9	600	600	8	100	2.8	8	10	600	25	0.5	1			—	
75	RFV12TG6S	G	—	C9	600	600	12	120	2.8	12	10	600	25	0.5	1			—	
76	RFV15TG6S	G	—	C9	600	600	15	150	2.8	15	10	600	30	0.5	1			—	
77	RFV30TG6S	G	—	C9	600	600	30	200	2.8	30	10	600	40	0.5	1			—	

*General Part No. have no grade code.
 Note: Package is JEDEC code. (): GENERAL code.

Rectifier Diodes

Rectifier Diodes
 Example: **RR1VWM4S** **TF** **TR**
Part No. Grade Code Taping Code

Quick Reference for Rectifier Diodes

	V_R (V)	I_O (A)	Surface Mount type						Through Hole type		
			2513 size (PMDE)	2514 size (TUMD2SM)	3516 size SOD-123FL (PMDU)	4725 size SOD-128 (PMDTM)	TO-252 (DPAK)	TO-220ACFP			
General Purpose Rectifier Diodes	400	0.2		RRE02VSM4S RRE02VTM4S	3 4						
		0.7		RRE07VSM4S RRE07VTM4S	5 6	RRD07MM4S RR264MM-400	11 12				
		1	RR1VWM4S	1		RR268MM-600	13	RR1LAM4S	14		
		2						RR2LAM4S	15		
	600	0.2		RRE02VSM6S RRE02VTM6S	7 8						
		0.7		RRE07VSM6S RRE07VTM6S	9 10						
		1	RR1VWM6S	2				RR1LAM6S	16		
		2						RR2LAM6S	17		
	Power Rectifier Diodes	400	6						RR601BM4S	18	
		1,000	20								RRD20TJ10S

Note: Package is JEDEC code. (): ROHM Packages. (<): GENERAL code.

General Purpose Rectifier Diodes

Quick Reference No.	Product No.				Absolute Maximum Ratings (T _C =25°C or T _I =25°C)				Electrical Characteristics (T _J =25°C)						Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code	Taping Code		V _{RM} (V)	V _R (V)	I _O (A)	I _{FSM} (A) 60Hz, 1~∞	V _F (V) Max	I _F (A)	I _R (μA) Max	V _R (V)	t _{rr} (ns) Max	I _F (mA)			
1	RR1VWM4S		TF	TR	400	400	1	15	1.2	1	10	400	—	—	—	(PMDE)	YES
2	RR1VWM6S	*	TF	TR	600	600	1	15	1.2	1	10	600	—	—	—		YES
3	RRE02VSM4S		—	TR	400	400	0.2	1	1.1	0.2	1	400	—	—	—		—
4	RRE02VTM4S	—	FH	TR	400	400	0.2	1	1.1	0.2	1	400	—	—	—		YES
5	RRE07VSM4S	*	—	TR	400	400	0.7	2	1.1	0.7	1	400	—	—	—		—
6	RRE07VTM4S	—	FH	TR	400	400	0.7	2	1.1	0.7	1	400	—	—	—		YES
7	RRE02VSM6S	*	—	TR	600	600	0.2	1	1.1	0.2	1	600	—	—	—		—
8	RRE02VTM6S	—	FH	TR	600	600	0.2	1	1.1	0.2	1	600	—	—	—		YES
9	RRE07VSM6S	*	—	TR	600	600	0.7	2	1.1	0.7	1	600	—	—	—		—
10	RRE07VTM6S	—	FH	TR	600	600	0.7	2	1.1	0.7	1	600	—	—	—		YES
11	RRD07MM4S		—	TR	400	400	0.7	150 ^{*1}	0.98	0.7	1	400	—	—	—		—
12	RR264MM-400		TF	TR	400	400	0.7	25	1.1	0.7	10	400	—	—	—		YES
13	RR268MM-600		TF	TR	600	400	1	25	0.98	1	10	400	—	—	—		YES
14	RR1LAM4S	*	TF	TR	500	400	1	30	1.1	1	10	400	—	—	—		YES
15	RR2LAM4S		TF	TR	400	400	2	50	1.1	2	10	400	—	—	—		YES
16	RR1LAM6S		TF	TR	750	600	1	30	1.1	1	10	600	—	—	—		YES
17	RR2LAM6S		TF	TR	600	600	2	50	1.1	2	10	600	—	—	—		YES

Power Rectifier Diodes

18	RR601BM4S	*	FH	TL	400	400	6	40	1.1	6	10	400	—	—	—	TO-252 (DPAK)		YES
19	RRD20TJ10S	G	—	C9	1,000	1,000	20	200	1.05	20	10	1,000	—	—	—	TO-220ACFP		—

*General Part No. have no grade code.

^{*1} I_{FSM} (guaranteed): Charged waveform, t=500μs (1/2peak), 1pulse/4s, R_{th}<80°C/W

Note: Package is JEDEC code. (): ROHM Packages. (<): GENERAL code.

Product No.				Absolute Maximum Ratings (T _a =25°C)	Electrical Characteristics (T _a =25°C)		Remarks	Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
Part No.	Grade Code		Taping Code	P _D (mW)	V _Z (V)	I _Z (mA)				
	General	Automotive								
UMZ5.1NUM	*	FH	TL	200	4.84 to 5.37	5	IEC61000-4-2 150pF, 330Ω, Contact 8kV, Air 15kV			YES
UMZ6.8NUM		FH	TL	200	6.47 to 7.14	5				YES
UMZ8.2NUM		FH	TL	200	7.76 to 8.64	5				YES
UMZ12NUM		FH	TL	200	11.00 to 13.00	5				YES
UMZ16NUM		FH	TL	200	15.85 to 16.51	5				YES
UMZ18NUM		FH	TL	200	17.56 to 18.53	5				YES
UMZ27NUM		FH	TL	200	26.19 to 27.35	5				YES
UMZ30NUM		FH	TL	200	29.19 to 30.69	5				YES
UMZ36NUM		FH	TL	200	35.07 to 36.87	5				YES

*General Part No. have no grade code.
 Note: Package is JEDEC code. () : ROHM Packages.

Product No.				Absolute Maximum Ratings (T _a =25°C)	Electrical Characteristics (T _a =25°C)				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
Part No.	Grade Code		Taping Code	P _D (mW)	V _Z (V)	I _Z (mA)	C _t (pF) Typ	f (MHz)				V _R (V)
	General	Automotive										
CDZCV5.1B	*	—	T2R	100	4.98 to 5.20	5	5.5	1	0			—
CDZCV6.8B		—	T2R	100	6.65 to 6.93	5	3	1	0			—
EDZCV6.8B		FH	T2R	150	6.65 to 6.93	5	3	1	0			YES
RSAC6.8CM		—	T2R	100	6.70 to 7.33	5	0.3	1	0			—
RSAC16CM		—	T2R	100	16.49 to 17.51	5	0.3	1	0			—

*General Part No. have no grade code.
 Note: Package is JEDEC code. () : ROHM Packages.

Product No.				Absolute Maximum Ratings (T _a =25°C)	Electrical Characteristics (T _a =25°C)		Peak Pulse Power (W) (tp=10×1,000μs)	C _t (pF) Typ			Remarks	Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
Part No.	Grade Code		Taping Code	P _D (mW)	V _Z (V)	I _Z (mA)		f (MHz)	V _R (V)					
	General	Automotive												
RSB6.8CM	*	—	T2N	100	5.78 to 7.82	1	10	15	1	0	IEC61000-4-2, 150pF, 330Ω, Contact 8kV, Air 15kV			—
RSB12WM		FH	TL	150	9.6 to 14.4	5	—	1	1	0				




*General Part No. have no grade code.
 *(3) pin must be open when using.
 Note: Package is JEDEC code. () : ROHM Packages.

Product No.				Absolute Maximum Ratings (T _a =25°C)	Electrical Characteristics (T _a =25°C)		C _t (pF) Typ	f (MHz)	V _R (V)	Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
Part No.	Grade Code		Taping Code	P _D (mW)	V _Z (V)	I _Z (mA)						
	General	Automotive										
RSBC6.8CM	*	—	T2N	100	6.62 to 7.24	5	1	1	0			—
RSBC6.8CS	—	FH	T2RA	100	6.62 to 7.24	5	1	1	0			YES

*General Part No. have no grade code.
 Note: Package is JEDEC code. () : ROHM Packages.

TVS

Quick Reference TVS (ESD Protection Devices)

V _{RWM} (V)	Surface Mount type						
	2924 size		3516 size		4725 size		
							
	SOT-23 (SSD3)		SOD-123FL (PMDU)		SOD-128 (PMDTM)		
3.0	MMBZ5V6AL	3					
	MMBZ6V2AL	4					
	MMBZ6V8AL	5					
4.5							
5.0				SMF5V0	17	VS5V0UA1LAM	40
6.0	MMBZ9V1AL	6		SMF6V0	18	VS6V0UA1LAM	41
6.5	MMBZ10VAL	7		SMF6V5	19		
7.0				SMF7V0	20	VS7V0UA1LAM	42
7.5				SMF7V5	21		
8.0				SMF8V0	22	VS8V0UA1LAM	43
8.5	MMBZ12VAL	8					
9.0				SMF9V0	23	VS9V0UA1LAM	44
10.0				SMF10V	24	VS10VUA1LAM	45
11.0				SMF11V	25	VS11VUA1LAM	46
12.0	MMBZ15VAL	9		SMF12V	26	VS12VUA1LAM	47
13.0	MMBZ16VAL	10		SMF13V	27	VS13VUA1LAM	48
14.0				SMF14V	28	VS14VUA1LAM	49
14.5	MMBZ18VAL	11					
15.0				SMF15V	29	VS15VUA1LAM	50
16.0				SMF16V	30	VS16VUA1LAM	51
17.0	MMBZ20VAL	12		SMF17V	31	VS17VUA1LAM	52
18.0				SMF18V	32	VS18VUA1LAM	53
20.0	MMBZ24VAL	13		SMF20V	33	VS20VUA1LAM	54
22.0	MMBZ27VAL	14		SMF22V	34	VS22VUA1LAM	55
	MMBZ27VCL	2					
24.0	RES1CAN	1		SMF24V	35	VS24VUA1LAM	56
	MMBZ30VAL	15					
26.0	MMBZ33VAL	16		SMF26V	36	VS26VUA1LAM	57
28.0				SMF28V	37	VS28VUA1LAM	58
30.0				SMF30V	38	VS30VUA1LAM	59
33.0				SMF33V	39		

Note: Package is JEDEC code. (): ROHM Packages.

Quick Reference Bi-Directional TVS

V _{RWM} (V)	Surface Mount type									
	0402 size		0603 size				1006 size		2012 size	
	DSN0402-2 (SMD0402)		DSN0603-2 (SMD0603)		DSN0603-2 (SMD0603B)		DSN1006-2 (SMD1006)		(SMD2012)	
3.3	RAS MID® VS3V3BA1FS	60	RAS MID® VS3V3BA1ES	66	RAS MID® VS3V3BC1HS	65				
	RAS MID® VS3V3BB1FS	61	RAS MID® VS3V3BB1ES	67	New RAS MID® VS3V3BL1HS	74				
	RAS MID® VS3V3BT1FS	62			New RAS MID® VS3V3BN1HS	75				
4.5							New RAS MID® VS4V5BU1QS	72		
4.8									RAS MID® VS4V8BU1AR	73
5.0	RAS MID® VS5V0BA1FS	63	RAS MID® VS5V0BA1ES	68	RAS MID® VS5V0BL1HS	76	New RAS MID® VS5V0BL1QS	75		
	RAS MID® VS5V0BB1FS	64	RAS MID® VS5V0BB1ES	69	RAS MID® VS5V0BN1HS	77				
			RAS MID® VS5V0BC1ES	70						
12.0					RAS MID® VS12VBA1HS	71				

RAS MID: ROHM's proprietary New method that enables superior dimensional precision, making it possible to develop the ultra-compact products.
Note: Package is JEDEC code. (): ROHM Packages.

: Under Development

TVS														
Quick Reference No.	Product No.				V _{RWM} (V)	Absolute Maximum Ratings (T _a =25°C)		Electrical Characteristics (T _a =25°C)		Peak Pulse Power (W) (tp=10×1,000µs)	Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
	Part No.	Grade Code		Taping Code		P _D (mW)	V _Z (V) or V _{BR} (V)	I _Z (mA)						
		General	Automotive											
1	RESD1CAN		FH	T116	24	225	26.20 to 32.00	1	350 (8/20µs)	SOT-23 (SSD3)		YES		
2	MMBZ27VCL		FH	T116	22	225	25.65 to 28.35	1	40	SOT-23 (SSD3)		YES		
3	MMBZ5V6AL		FH	T116	3	225	5.32 to 5.88	20	24	SOT-23 (SSD3)		YES		
4	MMBZ6V2AL		FH	T116	3	225	5.89 to 6.51	1	24			YES		
5	MMBZ6V8AL		FH	T116	4.5	225	6.46 to 7.14	1	24			YES		
6	MMBZ9V1AL		FH	T116	6	225	8.65 to 9.56	1	24			YES		
7	MMBZ10VAL		FH	T116	6.5	225	9.50 to 10.50	1	24			YES		
8	MMBZ12VAL		FH	T116	8.5	225	11.40 to 12.60	1	40			YES		
9	MMBZ15VAL		FH	T116	12	225	14.25 to 15.75	1	40			YES		
10	MMBZ16VAL		FH	T116	13	225	15.20 to 16.80	1	40			YES		
11	MMBZ18VAL		FH	T116	14.5	225	17.10 to 18.90	1	40			YES		
12	MMBZ20VAL		FH	T116	17	225	19.00 to 21.00	1	40			YES		
13	MMBZ24VAL		FH	T116	20	225	22.80 to 25.20	1	40			YES		
14	MMBZ27VAL		FH	T116	22	225	25.65 to 28.35	1	40			YES		
15	MMBZ30VAL		FH	T116	24	225	28.50 to 31.50	1	40			YES		
16	MMBZ33VAL		FH	T116	26	225	31.35 to 34.65	1	40			YES		
17	SMF5V0		TF	TR	5	1,000	6.40 or more	40	200			SOD-123FL (PMDU)		YES
18	SMF6V0		TF	TR	6	1,000	6.67 or more	40	200					YES
19	SMF6V5		TF	TR	6.5	1,000	7.22 or more	40	200	YES				
20	SMF7V0		TF	TR	7	1,000	7.78 or more	40	200	YES				
21	SMF7V5		TF	TR	7.5	1,000	8.33 or more	40	200	YES				
22	SMF8V0		TF	TR	8	1,000	8.89 or more	40	200	YES				
23	SMF9V0		TF	TR	9	1,000	10.0 or more	40	200	YES				
24	SMF10V		TF	TR	10	1,000	11.1 or more	20	200	YES				
25	SMF11V		TF	TR	11	1,000	12.2 or more	20	200	YES				
26	SMF12V		TF	TR	12	1,000	13.3 or more	20	200	YES				
27	SMF13V		TF	TR	13	1,000	14.4 or more	20	200	YES				
28	SMF14V		TF	TR	14	1,000	15.6 or more	20	200	YES				
29	SMF15V		TF	TR	15	1,000	16.7 or more	20	200	YES				
30	SMF16V		TF	TR	16	1,000	17.2 or more	20	200	YES				
31	SMF17V		TF	TR	17	1,000	18.9 or more	20	200	YES				
32	SMF18V		TF	TR	18	1,000	20.0 or more	20	200	YES				
33	SMF20V		TF	TR	20	1,000	22.2 or more	10	200	YES				
34	SMF22V		TF	TR	22	1,000	24.4 or more	10	200	YES				
35	SMF24V		TF	TR	24	1,000	26.7 or more	10	200	YES				
36	SMF26V		TF	TR	26	1,000	28.9 or more	10	200	YES				
37	SMF28V		TF	TR	28	1,000	31.1 or more	10	200	YES				
38	SMF30V		TF	TR	30	1,000	33.3 or more	10	200	YES				
39	SMF33V		TF	TR	33	1,000	36.7 or more	10	200	YES				
40	VS5V0UA1LAM		TF	TR	5	—	6.45 to 7.14	10	600	SOD-128 (PMDTM)		YES		
41	VS6V0UA1LAM		TF	TR	6	—	6.67 to 7.37	10	600			YES		
42	VS7V0UA1LAM		TF	TR	7	—	7.78 to 8.60	10	600			YES		
43	VS8V0UA1LAM		TF	TR	8	—	8.89 to 9.83	1	600			YES		
44	VS9V0UA1LAM		TF	TR	9	—	10.0 to 11.1	1	600			YES		
45	VS10VUA1LAM		TF	TR	10	—	11.1 to 12.3	1	600			YES		
46	VS11VUA1LAM		TF	TR	11	—	12.2 to 13.5	1	600			YES		
47	VS12VUA1LAM		TF	TR	12	—	13.3 to 14.7	1	600			YES		
48	VS13VUA1LAM		TF	TR	13	—	14.4 to 15.9	1	600			YES		
49	VS14VUA1LAM		TF	TR	14	—	15.6 to 17.2	1	600			YES		
50	VS15VUA1LAM		TF	TR	15	—	16.7 to 18.5	1	600			YES		
51	VS16VUA1LAM		TF	TR	16	—	17.8 to 19.7	1	600			YES		
52	VS17VUA1LAM		TF	TR	17	—	18.9 to 20.9	1	600			YES		
53	VS18VUA1LAM		TF	TR	18	—	20.0 to 22.1	1	600			YES		
54	VS20VUA1LAM		TF	TR	20	—	22.2 to 24.5	1	600			YES		
55	VS22VUA1LAM		TF	TR	22	—	24.4 to 26.9	1	600			YES		
56	VS24VUA1LAM		TF	TR	24	—	26.7 to 29.5	1	600			YES		
57	VS26VUA1LAM		TF	TR	26	—	28.9 to 31.9	1	600			YES		
58	VS28VUA1LAM		TF	TR	28	—	31.1 to 34.4	1	600			YES		
59	VS30VUA1LAM		TF	TR	30	—	33.3 to 36.8	1	600	YES				

*General Part No. have no grade code.
 Note: Package is JEDEC code. (): ROHM Packages.

TVS

TVS
 Example: **V S 3 V 3 B C 1 H S T 1 5 R**
Part No. Taping Code

Bi-Directional TVS													
Quick Reference No.	Product No.			Absolute Maximum Ratings (T _a =25°C)	Electrical Characteristics (T _a =25°C)			Peak Pulse Power (W) (tp=8/20μs)	Ct (pF)			Package	Equivalent Circuit Diagram
	Part No.	Grade Code			Taping Code	P _D (mW)	V _{BR} (V)		I _Z (mA)	f (MHz)	V _R (V)		
		General	Automotive										
60	RASMID® VS3V3BA1FS		—	T27N	100	4.0 or more	1	26.5	6	1	0	DSN0402-2 (SMD0402)	
61	RASMID® VS3V3BB1FS		—	T27N	100	4.0 or more	1	38	10	1	0		
62	RASMID® VS3V3BT1FS		—	T27N	100	4.0 or more	1	21	4.7	1	0		
63	RASMID® VS5V0BA1FS		—	T27N	100	5.3 or more	1	26.5	6	1	0		
64	RASMID® VS5V0BB1FS		—	T27N	100	5.3 or more	1	45	10	1	0		
65	RASMID® VS3V3BC1HS		—	T15R	100	4.0 to	1	70	18	1	0	DSN0603-2 (SMD0603B)	
66	RASMID® VS3V3BA1ES	*	—	T15R	100	4.0 to	1	28	6	1	0	DSN0603-2 (SMD0603)	
67	RASMID® VS3V3BB1ES		—	T15R	100	4.0 to	1	45	10	1	0		
68	RASMID® VS5V0BA1ES		—	T15R	100	6.0 to 8.0	1	10	5	1	0		
69	RASMID® VS5V0BB1ES		—	T15R	100	6.0 to 9.0	1	25	7	1	0		
70	RASMID® VS5V0BC1ES		—	T15R	100	6.0 to 9.0	1	60	15	1	0		
71	RASMID® VS12VBA1HS		—	T15R	100	12.5 to 15.0	1	70	7	1	0	DSN0603-2 (SMD0603B)	
72	New RASMID® VS4V5BU1QS		—	T18R	200	5.3 to 6.5	1	600	100	1	0	DSN01006-2 (SMD1006)	
73	RASMID® VS4V8BU1AR		—	T7R	—	4.85 to 6.00	1	1,100	480	1	0	(SMD2012)	

Low Capacitance Bi-Directional TVS													
Quick Reference No.	Product No.			Absolute Maximum Ratings (T _a =25°C)	Electrical Characteristics (T _a =25°C)			Remarks	Ct (pF)			Package	Equivalent Circuit Diagram
	Part No.	Grade Code			Taping Code	P _D (mW)	V _{BR} (V)		I _Z (mA)	f (MHz)	V _R (V)		
		General	Automotive										
74	New RASMID® VS3V3BL1HS		—	T15R	100	6.00 to 10.00	1	IEC61000-4-2, 150pF, 330Ω, Contact 11kV, Air 15kV	0.34	1	0	DSN0603-2 (SMD0603B)	
75	New RASMID® VS3V3BN1HS		—	T15R	100	6.00 to 10.00	1		0.5	1	0		
76	RASMID® VS5V0BL1HS	*	—	T15R	100	6.00 to 10.00	1		0.25	1	0		
77	RASMID® VS5V0BN1HS		—	T15R	100	6.00 to 10.00	1		0.5	1	0		
78	New RASMID® VS5V0BL1QS		—	T18R	200	7.00 or more	1		0.8	1	0	DSN01006-2 (SMD1006)	

RASMID: ROHM's proprietary new method that enables superior dimensional precision, making it possible to develop the ultra-compact products. : Under Development
 *General Part No. have no grade code.
 Note: Package is JEDEC code. (): ROHM Packages.

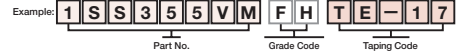
Switching Diodes

Quick Reference for Switching Diodes

V _R (V)	Surface Mount type					
	1006 size	1608 size	1616 size	2120 size	2512 size	2924 size
	SOD-923 (VMN2M)	SOD-523 (EMD2)	SOT-416FL (EMD3F)	SOT-323FL (UMD3F)	SOD-323FL (UMD2)	SOT-23 (SSD3)
20			DA221WM			
80	1SS400CM	1SS400SM	DAN222WM DAP222WM DAN217WM DA228WM	DAN202UM DAP202UM DAN217UM DA204UM DA228UM BAW156UM BAV199UM	1SS355VM 1SS380VM	BAS16HM BAV70HM BAW56HM BAV99HM BAW156HM BAV199HM BAS116HM BAV170HM
200					BAS21VM	BAS21HM

Note: Package is JEDEC code. (): ROHM Packages.

Switching Diodes



Switching Diodes

High-speed type

Product No.			Absolute Maximum Ratings (T _a =25°C)*1						Electrical Characteristics (T _a =25°C)*1						Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _{FM} (mA)	I _O (mA)	I _{surge} (mA)	V _F (V) Max	I _F (mA)	I _R (μA) Max	V _R (V)	trr (ns) Max	V _R (V)				I _F (mA)
	General	Automotive																
1SS400CM	—	T2R	90	80	225	100	500 (1s)	1.2	100	0.1	80	4	6	10	SOD-923 (VMN2M)		—	
1SS355VM	FH	TE-17	90	80	225	100	500 (1s)	1.2	100	0.1	80	4	6	10	SOD-323FL (UMD2)		YES	
1SS400SM	FH	T2R	90	80	225	100	500 (1s)	1.2	100	0.1	80	4	6	10	SOD-523 (EMD2)		YES	
BAS16HM	FH	T116	100	80	500	215*3	4,000 (1μs)	1.25	150	0.1	80	4	10*2	10	SOT-23 (SSD3)		YES	
DAN222WM	FH	TL	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-416FL (EMD3F)		YES	
DAN202UM	FH	TL	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-323FL (UMD3F)		YES	
BAV70HM	FH	T116	90	80	450	215*3	4,000 (1μs)	1.25	150	0.5	80	4	10*2	10	SOT-23 (SSD3)		YES	
DAP222WM	*	FH	TL	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-416FL (EMD3F)		YES
DAP202UM	FH	TL	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-323FL (UMD3F)		YES	
BAW56HM	FH	T116	100	80	500	215*3	4,000 (1μs)	1.25	150	0.1	80	4	10*2	10	SOT-23 (SSD3)		YES	
DAN217WM	FH	TL	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-416FL (EMD3F)		YES	
DAN217UM	FH	TL	80	80	300	100	4,000 (1μs)	1.2	100	0.2	70	4	6	5	SOT-323FL (UMD3F)		YES	
BAV99HM	FH	T116	100	80	500	215*3	4,000 (1μs)	1.25	150	0.1	80	4	10*2	10	SOT-23 (SSD3)		YES	
BAS21HM	FH	T116	250	200	—	200*3	10,000 (1μs)	1	100	0.1	200	50	30*2	30	SOT-23 (SSD3)		YES	
BAS21VM	FH	TE-17	250	200	—	200*3	10,000 (1μs)	1	100	0.1	200	50	30*2	30	SOD-323FL (UMD2)		YES	

Low Leak type



1SS380VM	FH	TE-17	80	80	225	100	400 (1s)	1.2	100	0.01	80	—	—	—	SOD-323FL (UMD2)		YES
BAW156HM	FH	T116	100	80	500	215*3	4,000 (1μs)	1.25	150	0.005	75	3,000	10*2	10	SOT-23 (SSD3)		YES
BAW156UM	FH	TL	100	80	500	215*3	4,000 (1μs)	1.25	150	0.005	75	3,000	10*2	10	SOT-323FL (UMD3F)		YES
BAV199HM	FH	T116	100	80	500	215*3	4,000 (1μs)	1.25	150	0.005	75	3,000	10*2	10	SOT-23 (SSD3)		YES
BAV199UM	FH	TL	100	80	500	215*3	4,000 (1μs)	1.25	150	0.005	75	3,000	10*2	10	SOT-323FL (UMD3F)		YES
DA204UM	FH	TL	20	20	200	100	300 (1s)	1.0	10	0.1	15	—	—	—	SOT-323FL (UMD3F)		YES
DA228UM	FH	TL	80	80	200	100	300 (1μs)	1.2	100	0.01	80	—	—	—	SOT-416FL (EMD3F)		YES
DA221WM	—	TL	20	20	200	100	300 (1μs)	1	10	0.1	15	—	—	—	SOT-416FL (EMD3F)		—
DA228WM	FH	TL	80	80	200	100	4,000 (1μs)	1.2	100	0.1	80	—	—	—	SOT-416FL (EMD3F)		YES
BAV170HM	FH	T116	90	80	500	215*3	4,000 (1μs)	1.25	150	0.005	75	3,000	10*2	10	SOT-23 (SSD3)		YES
BAS116HM	FH	T116	100	80	500	215*3	4,000 (1μs)	1.25	150	0.005	75	3,000	10*2	10	SOT-23 (SSD3)		YES

*General Part No. have no grade code.
 *1 Value/Chip *2 Not V_R (V) but I_R (mA) Value *3 I_F Value
 Note: Package is JEDEC code. (): ROHM Packages.




High Frequency Diodes



Quick Reference for High Frequency Diodes

	V _R (V)	Surface Mount type	
		1006 size	1608 size
			
		SOD-923 (VMN2M)	SOD-523 (EMD2)
Band Switching Diode	35		1SS390SM
PIN Diodes	50	RN141CM	
	60		RN142SM
Detection Schottky Diode	5	RB886CM	

Note: Package is JEDEC code. (): ROHM Packages.

Band Switching Diode																
Product No.				Absolute Maximum Ratings (T _a =25°C)				Electrical Characteristics (T _a =25°C)					Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
Part No.	Grade Code		Taping Code	V _R (V)	I _F (mA)	T _j (°C)	Tstg (°C)	Ct (pF) Max	V _R (V)	f (MHz)	rF (Ω) Max	I _F (mA)				f (MHz)
	General	Automotive											V _R (V)	f (MHz)	I _F (mA)	
1SS390SM	*	FH	T2R	35	150	-55 to +150	1.2	6	1	0.9	2	100	SOD-523 (EMD2)		YES	
PIN Diodes																
Product No.				Absolute Maximum Ratings (T _a =25°C)				Electrical Characteristics (T _a =25°C)					Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
Part No.	Grade Code		Taping Code	V _R (V)	I _F (mA)	T _j (°C)	Tstg (°C)	Ct (pF) Max	V _R (V)	f (MHz)	rF (Ω) Max	I _F (mA)				f (MHz)
	General	Automotive											V _R (V)	f (MHz)	I _F (mA)	
RN142SM	*	-	T2R	60	100	150	-55 to +150	0.45	1	1	3	3	100	SOD-523 (EMD2)		-
RN141CM	-	-	T2R	50	100	150	-55 to +150	0.8	1	1	2	3	100	SOD-923 (VMN2M)		-
Detection Schottky Diode																
Product No.				Absolute Maximum Ratings (T _a =25°C)				Electrical Characteristics (T _a =25°C)					Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
Part No.	Grade Code		Taping Code	V _R (V)	I _F (mA)	T _j (°C)	Tstg (°C)	V _F (V) Max	I _F (mA)	Ct (pF) Max	V _R (V)	f (MHz)				
	General	Automotive											V _F (V) Max	I _F (mA)	V _R (V)	f (MHz)
RB886CM	*	-	T2R	5	10	125	-40 to +125	0.35	1	0.80	1	1	SOD-923 (VMN2M)		-	

*General Part No. have no grade code.
 Note: Package is JEDEC code. (): ROHM Packages.

Packages

Dimensions (Unit: mm)

Surface Mount Type

<p>DSN0402-2 (SMD0402)</p>	<p>DSN0603-2 (SMD0603) (SMD0603B)</p>	<p>DSN1006-2 (SMD1006)</p>	<p>DSN2012-2 (SMD2012)</p>
<p>SOD-923 (VMN2M)</p>	<p>SOD-523 (EMD2) [SC-79]</p>	<p>SOT-416FL (EMD3F) [SC-89]</p>	<p>SOD-323FL (UMD2) [SC-90A]</p>
<p>SOT-323FL (UMD3F) [SC-85]</p>	<p>SOT-23 (SSD3)</p>	<p>SOD-323HE (TUMD2M) [SC-108B]</p>	<p>SOD-323HE (TUMD2SM)</p>

Note: Package is JEDEC code. (): ROHM Packages, []: JEITA Code.

Power Packages

Dimensions (Unit: mm)

Surface Mount type

<p>(PMDE)</p>	<p>SOD-123FL (PMDU) [SC-109B]</p>	<p>SOD-128 (PMDTM)</p>	<p>DO-214AC (PMDS) (SMA)</p>
<p>TO-252GE (DPAK)</p> <p>Each lead has same dimensions</p>	<p>TO-252 (DPAK)</p> <p>Each lead has same dimensions</p>	<p>TO-263S (D2PAK) [SC-83]</p> <p>Each lead has same dimensions</p>	

Note: Package is JEDEC code. (): ROHM Packages. []: JEITA Code. (): GENERAL code.

Through Hole type

<p>TO-220FN <2pin></p> <p>Each lead has same dimensions</p>	<p>TO-220FN <3pin></p> <p>Each lead has same dimensions</p>	<p>TO-220NFM <2pin></p> <p>Each lead has same dimensions</p>
<p>TO-220AC</p> <p>Each lead has same dimensions</p>	<p>TO-220ACFP</p> <p>Each lead has same dimensions</p>	

Note: Package is JEDEC code.