

5-5. Schottky Barrier Diodes

Surface Mount Type

Type No.	Absolute Maximum Ratings					Electrical Characteristics			Fig. No.		
	V _{RM} (V)	I _{F(AV)} (A)	I _{FSM} (A)	T _J	T _{stg}	V _F (V) Condition = I _F	I _R (mA)	H-I _R (mA) T _a = 100°C			
				(°C)		max per element	max per element	max per element			
SFPA-51	10		60	-40 to +125		0.34	1.00	30	1		
SFPB-52		1.0	30			0.47	0.25	10	1		
SFPB-62	20	2.0	60			0.50	1.00	20			
SFPB-72		3.0									
SFPA-53		1.0	30	-40 to +125		0.36	1.50	70			
SFPA-63		2.0	40				3.00	140			
SFPA-73		3.0	50				4.50	210			
SFPE-63	30	2.0	40	-40 to +150	0.55	0.20	20	1			
SFPJ-53		1.0	30	-40 to +125	0.45	1.00	10(T _a =125°C)				
SFPJ-63		2.0	40			2.00	20(T _a =125°C)				
SFPJ-73	3.0	50	3.00			30(T _a =125°C)					
SPJ-63S*		6.0						14			
SSB-14		0.5	4	-40 to +125		0.58	0.10	5	19		
SFPB-54		1.0	30				0.55	1.00		50	1
SFPB-64		1.5	60				0.50	5.00			
SFPB-74	2.0										
SFPE-64	40	2.0	40	-40 to +150	0.60	0.20	20				
SPB-G34S		3.0	50	-40 to +125	0.55	30.00	50	14			
SPB-G54S		5.0	60			50.00	50				
SPB-64S*	6.0	50	30.00			50	14				
MPE-24H*		15.0	100	-40 to +150	0.60	0.75	50(T _a =150°C)	20			
SFPB-56	60	0.7	10	-40 to +125		0.62	1.00	7.5	1		
SFPB-66		1.5	25				2.00	20			
SFPB-76		2.0	40				0.70	35.00		50	14
SPB-G56S		5.0	60								
SFPB-59	90	0.7	10			0.81	1.00	5	1		
SFPB-69		1.5	40				2.00	10			

*Center tap

Axial Type

Type No.	Absolute Maximum Ratings					Electrical Characteristics			Fig. No.			
	V _{RM} (V)	I _{F(AV)} (A)	I _{FSM} (A)	T _J	T _{stg}	V _F (V)	I _R (mA)	H-I _R (mA) T _a = 100°C				
				(°C)		max	max	max				
RK 42	20	3.0	100	-40 to +125		0.47	1.00	20	8			
AK 03		1.0	25	-40 to +125		0.55	1.00	50(T _J =100°C)	2			
EA 03			30				0.36	1.50		70	3	
EK 03			40				0.55	5.00		50		
EK 13	30	1.5	40	-40 to +125		0.36	3.00	140	5			
RA 13							2.0	0.55		5.00	50	6
RK 13							1.7	60		0.45	3.00	
RK 33		2.5	50			0.55	5.00	50				
RJ 43		3.0	80									
RK 43												
AK 04	40	1.0	25	-40 to +125		0.55	1.00	50(T _J =100°C)	2			
EK 04			40								3	
EK 14			1.5				40	5.00		50		
RK 14		1.7	60						5			
RK 34		2.5	50						6			
RK 44		3.0	80						8			
AK 06	60	0.7	10	-40 to +125		0.62	1.00	7.5	2			
EK 06			25							15	4	
EK 16			1.5				40	2.00		25		6
RK 16		2.0	40			3.00	35	8				
RK 36		3.5	70									
RK 46												

Type No.	Absolute Maximum Ratings					Electrical Characteristics			Fig. No.	
	V _{RM} (V)	I _{F(AV)} (A)	I _{FSM} (A)	T _J	T _{stg}	V _F (V)	I _R (mA)	H-I _R (mA) T _a = 100°C		
				(°C)		max	max	max		
AK 09		0.7	10	-40 to +125		0.81	1.00	5	2	
EK 09							2.00	10		4
EK 19							3.00	15		
RK 19	1.5	40								
RK 39		2.0	50							
RK 49		3.5	60				5.00	30	8	

1-Chip Frame Type

Type No.	Absolute Maximum Ratings					Electrical Characteristics			Fig. No.
	V _{RM} (V)	I _{F(AV)} (A)	I _{FSM} (A)	T _J	T _{stg}	V _F (V)	I _R (mA)	H-I _R (mA) T _a = 100°C	
				(°C)		max	max	max	
FMB-G12L	20	5.0	100	-40 to +125		0.47	2.00	35	13
FMB-G22H		10.0	200				5.00	65	
FMB-G14	40	3.0	60			0.55	5.00	100	
FMB-G14L		5.0	150				10.00	65	
FMB-G24H		10.0	150				0.62	5.00	50
FMB-G16L	60	6.0	50				0.81	5.00	35
FMB-G19L	90	4.0	60						

Center Tap Type

Type No.	Absolute Maximum Ratings					Electrical Characteristics			Fig. No.
	V _{RM} (V)	I _{F(AV)} (A)	I _{FSM} (A)	T _J	T _{stg}	V _F (V)	I _R (mA)	H-I _R (mA) T _a = 100°C	
				(°C)		max per element	max per element	max per element	
FMB-22L	20	10.0	100	-40 to +125		0.47	2.00	35	9
FMB-22H		15.0	150				3.00	50	
FMB-32		20.0	200				5.00	65	
FMB-32M		30.0	300				10.00	100	10
FME-24L		10.0	80	-40 to +150		0.60	0.50	30	
FME-24H		15.0	100				0.75	50	
FMB-24		4.0	50						
FMB-24M		6.0	60				0.55	5.00	35
FMB-24L		10.0	60						
FMB-24H	40	15.0	100	-40 to +125		0.58	7.50	50	9
FMB-34S		12.0	75				5.00	35	
FMB-34		15.0	150				10.00	65	
FMB-34M		30.0	300				20.00	100	10
CTB-24		4.0	60				0.55	5.00	35
CTB-24L		10.0	100						
CTB-34		15.0	150				0.58	5.00	35
CTB-34M		30.0	300				10.00	65	22
FMB-26	60	4.0	40	-40 to +125		0.62	1.00	25	9
FMB-26L		10.0	50				2.50	50	
FMB-36		15.0	100				5.00	75	
FMB-36M		30.0	150				10.00	150	10
FMB-29	90	4.0	50	-40 to +125		0.81	3.00	15	9
FMB-29L		8.0	60				5.00	35	
FMB-39		15.0	150				10.00	50	
FMB-39M		20.0	150				15.00	60	10

Bridge Type

Type No.	Absolute Maximum Ratings					Electrical Characteristics			Fig. No.
	V _{RM} (V)	I _{F(AV)} (A)	I _{FSM} (A)	T _J	T _{stg}	V _F (V)	I _R (mA)	H-I _R (mA) T _a = 100°C	
				(°C)		max per element	max per element	max per element	
RBA-404B	40	4.0	40	-40 to +125		0.55	2.0	20	16
-1004B		10.0	60				5.0	35(T _J =125°C)	
-406B	60	4.0	40			0.62	2.0	20	