

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	20		
SFPB-72		3.0		1.00					
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		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		0.60	0.20	20			
SFPE-64		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		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	
SPB-G56S		5.0	60			0.81	1.00	5	1
SFPB-59	90	0.7	10	2.00	10				
SFPB-69		1.5	40						

*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			25	-40 to +125		0.55	1.00	50(T _J =100°C)	2			
EA 03		1.0	30			0.36	1.50	70	3			
EK 03		1.5	40			0.55	5.00	50	4			
RA 13		2.0		-40 to +125		0.36	3.00	140	5			
RK 13		1.7	60				0.55	5.00	50	6		
RK 33		2.5	50				0.45	3.00	30(T _J =125°C)	8		
RJ 43		3.0	80	0.55	5.00	50						
AK 04		1.0	25	-40 to +125		0.55	1.00	50(T _J =100°C)	2			
EK 04			40									3
EK 14		1.5	60				5.00	50	5			4
RK 14		1.7	60						5			
RK 34		2.5	50						6			
RK 44		3.0	80						8			
AK 06				-40 to +125		0.62		7.5	2			
EK 06		0.7	10				1.00	15	3			
EK 16		1.5	25				2.00	25	6			
RK 16		2.0	40	3.00	35	8						
RK 36		3.5	70									

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	3
EK 19		1.5	40				3.00	15	6
RK 19		2.0	50	5.00	30	8			
RK 39		3.5	60						
RK 49									

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		5.0	100	-40 to +125		0.47	2.00	35	13
FMB-G22H	20	10.0	200				5.00	65	
FMB-G14		3.0	60				5.00	100	
FMB-G14L	40	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		10.0	100	-40 to +125		0.47	2.00	35	9	
FMB-22H	20	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				0.55	5.00		35
FMB-24M		6.0	60							
FMB-24L		10.0	60							
FMB-24H		15.0	100							
FMB-34S	40	12.0	75	-40 to +125		0.58	5.00	35	10	
FMB-34		15.0	150	10.00	65					
FMB-34M		30.0	300	20.00	100	21				
CTB-24		4.0	60	0.55	5.00	35				
CTB-24L		10.0	60							
CTB-34		15.0	150	10.00	65	22				
CTB-34M		30.0	300	20.00	100					
FMB-26		4.0	40	-40 to +125		0.62	1.00	25	9	
FMB-26L	60	10.0	50				2.50	50		
FMB-36		15.0	100				5.00	75		10
FMB-36M		30.0	150	10.00	150					
FMB-29		4.0	50	-40 to +125		0.81	3.00	15	9	
FMB-29L	90	8.0	60				5.00	35		10
FMB-39		15.0	150				10.00	50		
FMB-39M		20.0	150	15.00	60					

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		4.0	40	-40 to +125		0.55	2.0	20	16
-1004B	40	10.0	60				5.0	35(T _J =125°C)	
-406B	60	4.0	40				0.62	2.0	