

5-3. Ultra-Fast Recovery Rectifier Diodes

■ Surface Mount Type

(Ta = 25°C)

Type No.	Absolute Maximum Ratings				Electrical Characteristics				Fig. No.	
	VRM (V)	IF (AV) (A)	IFSM (A)	Tj	Tstg	VF (V)	IR (μA)	trr1 (ns)		trr2 (ns)
				(°C)		max per element	max per element	max		max
SFPL-52	200	0.9	25	-40 to +150	0.98	10	50	35	1	
-62		1.0								
SPX-G32S		3.0	50							
-62S*		6.0	80							

*Center tap

■ Axial Type

(Ta = 25°C)

Type No.	Absolute Maximum Ratings				Electrical Characteristics				Fig. No.		
	VRM (V)	IF (AV) (A)	IFSM (A)	Tj	Tstg	VF (V)	IR (μA)	trr1 (ns)		trr2 (ns)	
				(°C)		max	max	max		max	
AG01Y	70	1.0	25	-40 to +150	1.20	100	100	50	2		
01Z	200	0.7	15								
01	400										
01A	600	0.5									
EG01Y	70	1.0	30	-40 to +150	1.20	100	100	50	3		
01Z	200	0.7	15								
01	400										
01A	600	0.5	10								
01C	1000	0.8	15	-40 to +150	1.20	100	100	50	4		
EG 1Y	70									1.1	30
1Z	200									0.8	15
1	400										
1A	600	0.6	10								
RG 1C	1000	0.7	10	-40 to +150	1.10	50	100	50	5		
RG 10Y	70	1.5	30								
10	400	1.2	50								
10A	600	1.0	10								
RG 2Y	70	1.5	50	-40 to +150	1.10	50	100	50	6		
2Z	200	1.2	50								
2	400										
2A	600	1.0	10								
RG 4Y	70	3.5	100	-40 to +150	1.30	100	100	50	8		
4Z	200	3.0	80								
4	400										
4A	600	2.0	50								
4C	1000	2.0	60	3.00	50	100	50	8			
EN01Z	200	1.0	50	-40 to +150	0.92	100	50	50	3		
RN 1Z		1.5	60								
RN 2Z		2.0	70								
RN 3Z		3.0	80								
RN 4Z	3.5	120	8								
AP01C	1000	0.2	5	-40 to +150	4.00	100	200	80	2		
EP01C	2000	0.1									
RP 1H	1000	0.4								10	
RU 1P	1000	0.4								10	
AL01Z	200	1.0	25	-40 to +150	0.98	100	50	50	2		
EL 1Z	400	1.5	25								
EL 1										20	
EL02Z	200	2.0	30								
RL 10Z	200	2.0	30	-40 to +150	0.98	50	40	50	3		
RL 2Z										100	
2										350	40
2A										600	1.1
RL 3Z	200	3.5	80	-40 to +150	0.95	150	50	50	7		
3	350	100									
3A	600	2.0	60								
RL 4Z	200	3.5	80								
4A	600	3.0	80	-40 to +150	0.98	50	30	25	7		
RX 3Z	200	3.0	80								

■ 1-Chip Frame Type

(Ta = 25°C)

Type No.	Absolute Maximum Ratings				Electrical Characteristics				Fig. No.	
	VRM (V)	IF (AV) (A)	IFSM (A)	Tj	Tstg	VF (V)	IR (μA)	trr1 (ns)		trr2 (ns)
				(°C)		max	max	max		max
FMG-G26S	600	4.0	50	-40 to +150	2.50	500	100	50	13	
-G36S		8.0	80							
-G2CS		3.0	30							
-G3CS	1000	5.0	60	-40 to +150	4.00	50	150	70	15	
FMP-G12S	200	5.0	65							
FMN-G12S	200	5.0	100	-40 to +150	0.92	100	100	50	13	
FML-G12S	200	5.0	70							
-G13S	300	5.0	70	-40 to +150	0.98	250	40	35	13	
-G14S	400									
-G16S	600	5.0	50	-40 to +150	1.50	500	40	30	13	
-G22S	200	10.0	150							
-G26S	600	10.0	100	-40 to +150	1.70	100	65	40	13	
FMX-G12S	200	5.0	65							
-G22S	200	10.0	150	-40 to +150	0.98	100	30	25	13	

■ Center Tap Type

(Ta = 25°C)

Type No.	Absolute Maximum Ratings				Electrical Characteristics				Fig. No.	
	VRM (V)	IF (AV) (A)	IFSM (A)	Tj	Tstg	VF (V)	IR (mA)	trr1 (ns)		trr2 (ns)
				(°C)		max per element	max per element	max		max
FMG-12S,R	200	5.0	35	-40 to +150	1.80	0.50	100	50	9	
-13S,R	300									
-14S,R	400									
FMG-22S,R	200	10.0	65	-40 to +150	1.80	0.50	100	50	9	
-23S,R	300									
-24S,R	400									
-26S,R	600	6.0	50	-40 to +150	2.20	100	50	10		
FMG-32S,R	200	20.0	150							
-33S,R	300	16.0	100	-40 to +150	2.00	1.00	100	50	10	
-34S,R	400									
-36S,R	600									
FMC-26U	600	6.0	50	-40 to +150	2.00	0.50	70	35	9	
FML-12S	200	5.0	35	-40 to +150	0.98	0.15	40	30	9	
-13S	300									
-14S	400									
FML-22S	200	10.0	65	-40 to +150	0.98	0.25	40	30	9	
-23S	300									
-24S	400									
FML-32S	200	20.0	150	-40 to +150	1.30	0.10	50	35	10	
-33S	300									
-34S	400									
-36S	600	1.70	0.10	65	35					
FMX-12S	200	5.0	35	-40 to +150	0.98	0.05	30	25	9	
-22S		10.0	65							
-22SL		15.0	100							
-32S		20.0	150							

■ Bridge Type

(Ta = 25°C)

Type No.	Absolute Maximum Ratings				Electrical Characteristics				Fig. No.	
	VRM (V)	IF (AV) (A)	IFSM (A)	Tj	Tstg	VF (V)	IR (mA)	trr1 (ns)		trr2 (ns)
				(°C)		max per element	max per element	max		max
RBA-402L	200	4.0	80	-40 to +150	0.98	0.05	40	30	16	
RBV-602L	200	6.0	100							