

# 5-2. Fast Recovery Rectifier Diodes

## ■ 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 (μs)		trr2 (μs)
				(°C)		max	max	max		max
RC 2	2000	0.20	20	-40 to +150	2.00	10	4.0	1.30	5	
EH 1Z	200									
1	400	0.60	30	-40 to +150	1.35	10	4.0	1.30	4	
1A	600									
RH 1Z	200									
1	400									
1A	600	0.60	35	-40 to +150	1.30	5	4.0	1.30	5	
1B	800									
1C	1000									
AS01Z	200									
01	400	0.60	20	-40 to +150	1.50	10	1.5	0.60	2	
01A	600									
ES01Z	200									
01	400	0.70	30	-40 to +150	2.50	10	1.5	0.60	3	
01A	600									
01F	1500	0.50	20		2.00					
ES 1Z	200									
1	400	0.70	30	-40 to +150	2.50	10	1.5	0.60	4	
1A	600									
1F	1500	0.50	20		2.00					
RS 1A	600									
1B	800	0.70	30	-40 to +150	2.50	10	1.5	0.60	5	
AU01Z	200									
01	400	0.50	15	-40 to +150	1.70	10	0.4	0.18		
01A	600								2	
AU02Z	200									
02	400	0.80	25	-40 to +150	1.30	10	0.4	0.18		
02A	600									
RU 1	400									
1A	600	0.25	15	-40 to +150	2.50	10	0.4	0.18	5	
1B	800									
1C	1000	0.20			3.00					
EU01Z	200									
01	400	0.25	15	-40 to +150	2.50	10	0.4	0.18	3	
01A	600									
EU 1Z	200									
1	400	0.25	15	-40 to +150	2.50	10	0.4	0.18	4	
1A	600									
RF 1Z	200									
1	400	0.60	15	-40 to +150	2.00	10	0.4	0.18		
1A	600									
1B	800									
RU 2Z	200									
2	600	1.00	20	-40 to +150	1.50	10	0.4	0.18	5	
2B	800									
2C	1000	0.80								
EU02Z	200									
02	400	1.00	15	-40 to +150	1.40	10	0.4	0.18	3	
02A	600									
EU 2Z	200									
2	400	1.00	15	-40 to +150	1.40	10	0.4	0.18	4	
2A	600									
2YX	100	1.20	25		0.90		0.2	0.08		

● trr1 = IF/IRP = 1:1, trr2 = IF/IRP = 1:2

(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 (μs)		trr2 (μs)
				(°C)		max	max	max		max
RU 2M	400									
2AM	600	1.10	20	-40 to +150	1.20	10	0.4	0.18	5	
2YX	100	1.50	30		0.95		0.2	0.08		
RU 20A	600	1.50	50		1.10		0.4	0.18		
RU 3	400									
3A	600	1.50	20	-40 to +150	1.50	10	0.4	0.18	6	
3B	800	1.10								
3C	1000	1.50			2.00					
3M	400									
3AM	600	1.50	50		1.10					
3YX	100	2.00			0.95		0.2	0.08		
RU 30Y	100	3.50	100	-40 to +150	0.89	10	0.2	0.08	7	
30Z	200		80		0.97					
30	400	2.00	200		0.95		0.4	0.18		
30A	600									
RU 4Y	100									
4Z	200	3.50	70	-40 to +150	1.30	10	0.4	0.18	8	
4	400									
4A	600	3.00	50		1.50					
4B	800									
4C	1000	2.50			1.60	50				
4M	400									
4AM	600	3.50	70		1.30	10				
4YX	100	4.00	100		0.85		0.2	0.08		

● trr1 = IF/IRP = 1:1, trr2 = IF/IRP = 1:2

## ■ 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 (μs)		trr2 (μs)
				(°C)		max	max	max		max
FMU-G2YXS	100	10.0	100	-40 to +150	1.00	50	0.2	0.08	13	
-G16S	600	5.0	30		1.25		0.4	0.18		
-G26S	600	10.0	40		1.35					

● trr1 = IF/IRP = 1:1, trr2 = IF/IRP = 1:2

## ■ 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 (μA)	trr1 (μs)		trr2 (μs)
				(°C)		max per element	max per element	max		max
FMU-12S,R	200									
-14S,R	400	5.0	30	-40 to +150	1.5	50	0.4	0.18	9	
-16S,R	600									
FMU-21S,R	100									
-22S,R	200	10.0	40	-40 to +150	1.5	50	0.4	0.18	9	
-24S,R	400									
-26S,R	600									
FMU-32S,R	200									
-34S,R	400	20.0	80	-40 to +150	1.5	50	0.4	0.18	10	
-36S,R	600									

● trr1 = IF/IRP = 1:1, trr2 = IF/IRP = 1:2