

Ultra-Fast-Recovery Rectifier Diodes 200V

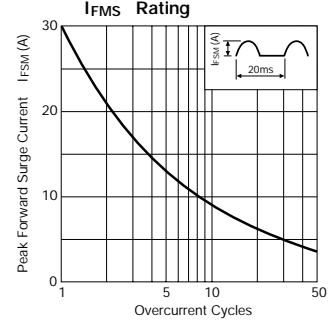
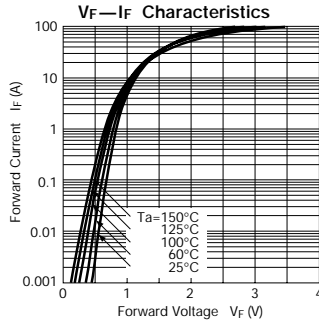
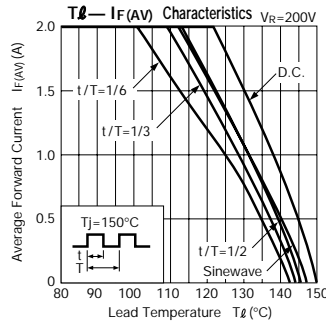
trr ①: I_F/I_R (=I_F) 90% Recovery Point
 (ex. I_F/I_R = 100mA/100mA 90% Recovery Point)
 trr ②: I_F/I_R (=2 I_F) 75% Recovery Point
 (ex. I_F/I_R = 100mA/200mA 75% Recovery Point)

V _{RM} (V)	Package	Part Number	I _F (AV) (A)	I _{FSM} (A)	T _J (°C)	T _{stg} (°C)	V _F (V) max	I _F (A)	I _R (μA) V _R =V _{RM} max	I _R (mA) V _R =V _{RM} max	T _a (°C)	t _{rr} ① (ns)	I _F /I _{FP} (mA)	t _{rr} ② (ns)	I _F /I _{FP} (mA)	R _{th} (j-ℓ) R _{th} (j-c) (°C/W)	Mass (g)	Fig No.	Part where characteristic curve is shown	
				50Hz Half-cycle Sine Wave Single Shot				I _F	I _R	t _{rr} ①	I _F /I _{FP}	t _{rr} ②	I _F /I _{FP}							
200	Surface Mount	SFPL-52	0.9	25	-40 to +150	0.98	1.0	10	1	150 (TJ)	50	100/100	35	100/200	20	0.072	1	63		
		SFPL-62	1.0	25	-40 to +150	0.98	1.0	10	1	150 (TJ)	50	100/100	35	100/200	20	0.072				
		SFPX-62	1.5	30	-40 to +150	0.98	1.5	10	2	150 (TJ)	30	100/100	25	100/200	20	0.072				
		SPX-G32S	3.0	50	-40 to +150	0.98	3.0	50	10	100	30	100/100	25	100/200	5.0	0.41			2	64
		MPL-102S	10.0	65	-40 to +150	0.98	5.0	100	0.2	150	40	100/100	30	100/200	2.5	1.4			15	80
	Surface Mount Center-tap	SPX-62S	6.0	80	-40 to +150	0.98	3.0	50	10	100	30	100/100	25	100/200	5.0	0.41	2	64		
		MP2-202S	20.0	110	-40 to +150	0.98	10.0	200	0.4	150	50	100/100	35	100/200	2.5	1.4	15	80		
	Axial	AG01Z	0.7	15	-40 to +150	1.8	0.7	100	0.5	100	100	100/100	50	100/200	22	0.13	3	64		
		EG01Z	0.7	15	-40 to +150	1.9	0.7	50	0.3	100	100	100/100	50	100/200	20	0.2	4			
		EG 1Z	0.8	15	-40 to +150	1.7	0.8	50	0.3	100	100	100/100	50	100/200	17	0.3	5	65		
		AL01Z	1.0	25	-40 to +150	0.98	1.0	100	0.5	100	50	100/100	35	100/200	22	0.13	3	64		
		EN01Z	1.0	50	-40 to +150	0.92	1.0	10	2	150 (TJ)	100	100/100	50	100/200	20	0.2	4	65		
		RG 10Z	1.2	50	-40 to +150	1.5	1.2	500	2.5	100	100	100/100	50	100/200	15	0.4	6	66		
		RG 2Z	1.2	50	-40 to +150	1.5	1.5	500	2.5	100	100	100/100	50	100/200	12	0.6	7	68		
		EL02Z	1.5	25	-40 to +150	0.98	1.5	50	0.1	100	40	100/100	30	100/200	20	0.2	4	65		
		EL 1Z	1.5	20	-40 to +150	0.98	1.5	100	0.5	100	100	100/100	50	100/200	17	0.3	5	66		
		RN 1Z	1.5	60	-40 to +150	0.92	1.5	20	3	150 (TJ)	100	100/100	50	100/200	15	0.4	6	67		
		RX 10Z *	2.0	30	-40 to +150	0.98	2.0	50	3	150 (TJ)	30	100/100	25	100/200	15	0.4		80		
		RL 10Z	2.0	30	-40 to +150	0.98	2.0	50	0.1	100	50	100/100	35	100/200	15	0.4	7	67		
		RL 2Z	2.0	30	-40 to +150	0.98	2.0	100	0.5	100	50	100/100	35	100/200	12	0.6		68		
		RN 2Z	2.0	70	-40 to +150	0.92	2.0	50	4	150 (TJ)	100	100/100	50	100/200	12	0.6	7	69		
		RN 3Z	3.0	80	-40 to +150	0.92	3.0	50	6	150 (TJ)	100	100/100	50	100/200	10	1.0		8	70	
		RX 3Z	3.0	80	-40 to +150	0.98	3.0	50	10	100	30	100/100	25	100/200	10	1.0				
	RG 4Z	1.0 (3.0)	80	-40 to +150	1.7	3.0	1000	5	100	100	100/100	35	100/200	8	1.2	9	69			
	RL 3Z	3.5	80	-40 to +150	0.95	3.5	50	0.2	100	50	100/100	35	100/200	10	1.0	8				
	RL 4Z	3.5	80	-40 to +150	0.95	3.5	150	0.5	100	50	100/100	50	100/200	8	1.2	9	71			
	RN 4Z	3.5	120	-40 to +150	0.92	3.5	50	6	150 (TJ)	100	100/100	50	100/200	8	1.2					
	Frame-2Pin	FML-G12S	5.0	65	-40 to +150	0.98	5.0	250	1	100	40	100/100	30	100/200	4.0	2.1	10	72		
		FMN-G12S	5.0	100	-40 to +150	0.92	5.0	100	10	100	100	100/100	50	100/200	4.0	2.1				
FMP-G12S		5.0	65	-40 to +150	1.15	5.0	50	0.5	100	150	100/100	70	100/200	4.0	2.1					
FMX-G12S		5.0	65	-40 to +150	0.98	5.0	100	20	100	30	100/100	25	100/200	4.0	2.1					
FML-G22S		10.0	150	-40 to +150	0.98	10.0	500	2	100	40	500/500	30	500/1000	4.0	2.1					
FMX-G22S		10.0	150	-40 to +150	0.98	10.0	200	50	100	30	500/500	25	500/1000	4.0	2.1					
Center-tap	FMG-12S, R	5.0	35	-40 to +150	1.8	2.5	500	1.5	100	100	100/100	50	100/200	4.0	2.1	11	74			
	FML-12S	5.0	35	-40 to +150	0.98	2.5	150	0.5	100	40	100/100	30	100/200	4.0	2.1		75			
	FMX-12S	5.0	35	-40 to +150	0.98	2.5	50	10	100	30	100/100	25	100/200	4.0	2.1		77			
	FMG-22S, R	10.0	65	-40 to +150	1.8	5.0	500	1.5	100	100	100/100	50	100/200	4.0	2.1	11	75			
	FML-22S	10.0	65	-40 to +150	0.98	5.0	250	1	100	40	100/100	30	100/200	4.0	2.1		76			
	FMX-22S	10.0	65	-40 to +150	0.98	5.0	100	20	100	30	100/100	25	100/200	4.0	2.1		77			
	FMX-22SL	15.0	100	-40 to +150	0.98	7.5	150	30	100	30	500/500	25	500/1000	4.0	2.1					
	FMG-32S, R	20.0	150	-40 to +150	1.8	10.0	1000	5	100	100	100/100	50	100/200	2.0	5.5	12		78		
	FML-32S	20.0	150	-40 to +150	0.98	10.0	600	2	100	40	100/100	30	100/200	2.0	5.5					
FMX-32S	20.0	150	-40 to +150	0.98	10.0	200	50	100	30	500/500	25	500/1000	2.0	5.5						
Bridge	RBV-402L	4.0	80	-40 to +150	0.98	2.0	50	0.1	100	40	100/100	30	100/200	5.0	4.05	13	79			
	RBV-602L	6.0	100	-40 to +150	1.0	3.0	250	1	100	50	100/100	35	100/200	3.0	6.45	14				

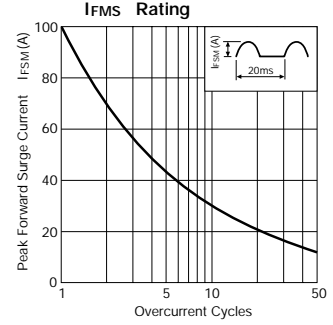
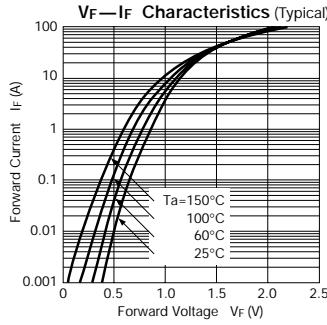
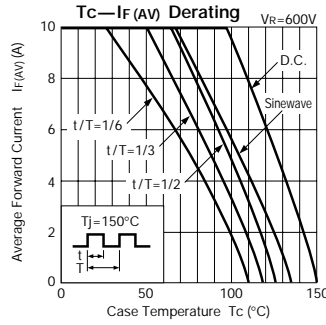
* : Under development

Characteristic Curves Ultra-Fast-Recovery Rectifier Diodes

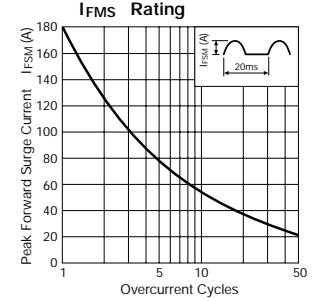
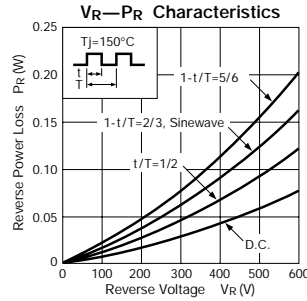
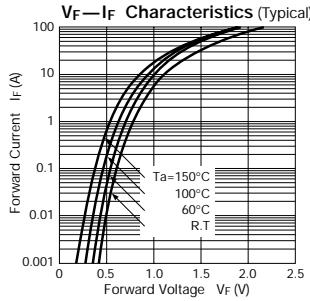
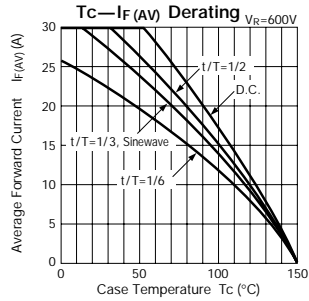
RX 10Z Under development



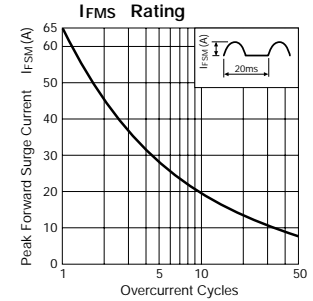
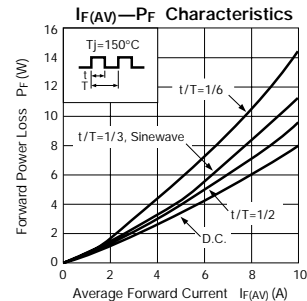
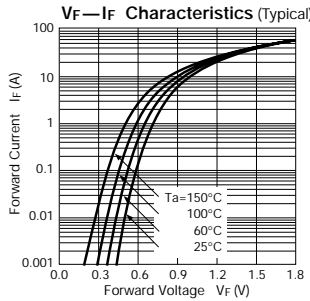
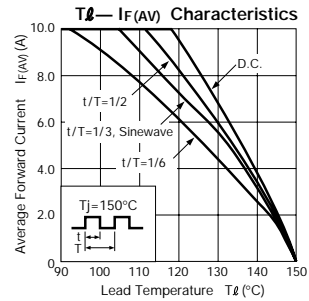
FMX-G26S



MP3-306



MPL-102S



MP2-202S

