

Ultra-Fast-Recovery Rectifier Diodes 200V

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

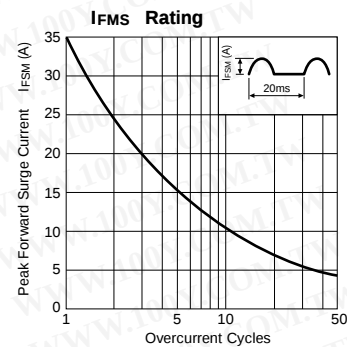
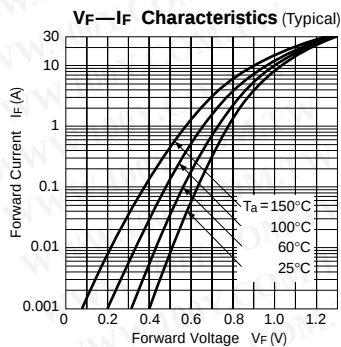
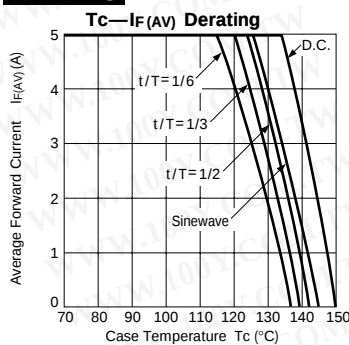
VRM (V)	Package	Part Number	IF (AV) (A)	IFSM (A) 50Hz Half-cycle Sinewave Single Shot	Tj (°C)	Tstg (°C)	Vf (V) max	IF (A)	IR (μA) VR=VRM max	IR (H) (mA) VR=VRM max	Ta (°C)	trr ① (ns)	IF/IFP (mA)	trr ② (ns)	IF/IFP (mA)	Rth (j-ℓ) Rth (j-c) (°C/W)	Mass (g)	Fig. No.	Page where characteristic curve is shown
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	8	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		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	9	71	
		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			
		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			
		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	10	72	
		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	73	
		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		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

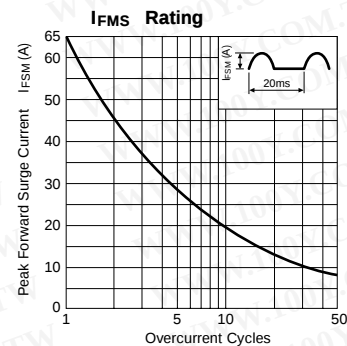
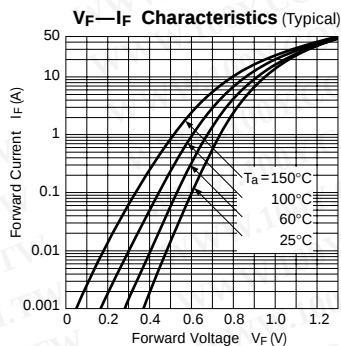
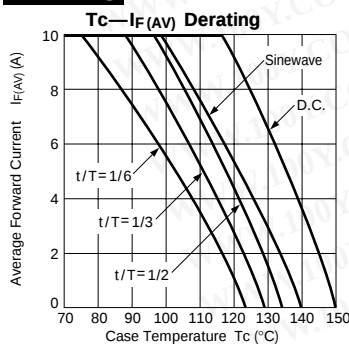
Characteristic Curves

Ultra-Fast-Recovery Rectifier Diodes

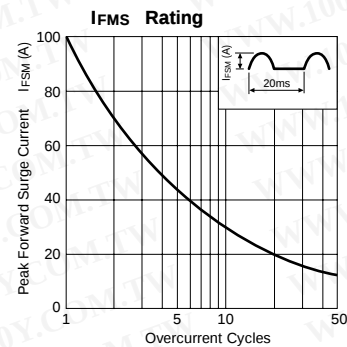
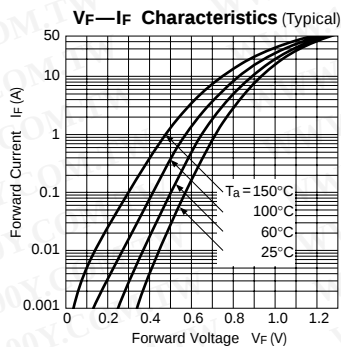
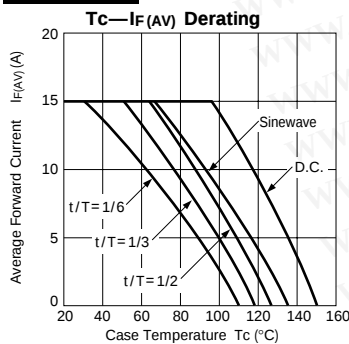
FMX-12S



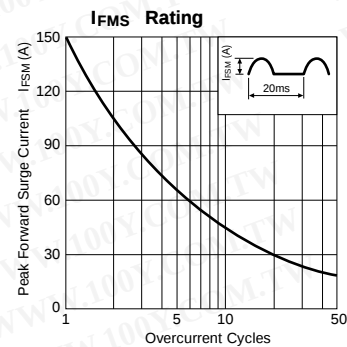
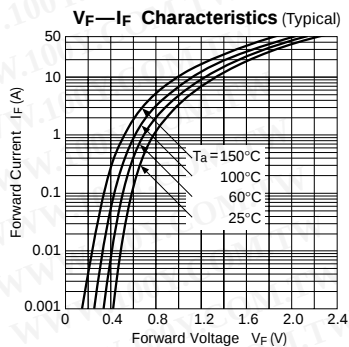
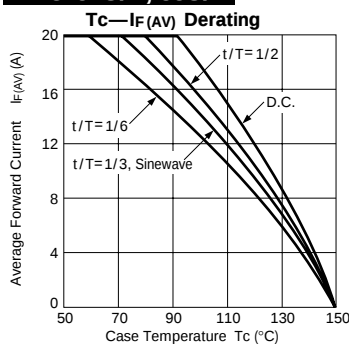
FMX-22S



FMX-22SL



FMG-32S/R, 33S/R



FMG-34S/R

