Fast-Recovery Rectifier Diodes 1300V and over

t_{rr}①: I_F/I_R (=I_F) 90% Recovery Point (ex. I_F/I_R =100mA/100mA 90% Recovery Point)
t_{rr}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) ( ) is with Heatsink	I_{FSM} (A) 50Hz Half-cycle Sinewave Single Shot	Tj (°C)	Tstg (°C)	V_F (V) max	I_F (A)	I_R (μA) $V_R=V_{RM}$ max	$I_{R(H)}$ (μA) $V_R=V_{RM}$ max	Ta (°C)	t_{rr}① (μs)	I_F/I_{FP} (mA)	t_{rr}② (μs)	I_F/I_{FP} (mA)	Rth (j-ℓ) (°C/W)	Mass (g)	Fig. No.	Page where characteristic curve is shown
1300	Axial	RH 2D	1.0	60	–40 to +150		1.0	1.0	10	500	100	4	10/10	1.3	100/200	12	0.6	4	96
		RU 4D	1.2 (1.5)	50	–40 to +150		1.8	1.5	50	500	100	0.4	500/500	0.18	500/1000	8	1.2	6	97
		RU 4DS	1.5 (2.5)	50	–40 to +150		1.8	3.0	50	500	100	0.4	500/500	0.18	500/1000	8	1.2		
1500	Axial	ES01F	0.5	20	–40 to +150		2.0	0.5	10	200	100	1.5	10/10	0.6	10/20	20	0.2	1	55
		ES 1F	0.5	20	–40 to +150		2.0	0.5	10	200	100	1.5	10/10	0.6	10/20	17	0.3	2	56
		RH 10F	0.8	60	–40 to +150		1.0	1.0	10	500	100	4	10/10	1.3	100/200	15	0.4	3	96
		RH 2F	1.0	60	–40 to +150		1.0	1.0	10	500	100	4	10/10	1.3	100/200	12	0.6	4	
		RS 3FS	2.0	50	–40 to +150		1.1	3.0	50	500	100	2	100/100	0.8	100/200	10	1.0	5	
		RP 3F	2.0	50	–40 to +150		1.7	2.0	50	500	100	0.7	500/500	0.3	500/1000	10	1.0		
		RH 3F	2.5	50	–40 to +150		1.3	2.5	50	500	100	4	100/100	1.3	100/200	10	1.0		
		RH 4F	2.5	50	–40 to +150		1.5	2.5	10	350	100	4	100/100	1.3	100/200	8	1.2	6	
		RS 4FS	1.5 (2.5)	50	–40 to +150		1.5	3.0	50	500	100	1	100/100	0.4	100/200	8	1.2		97
	Frame-2Pin	FMQ-G1FS	5.0	50	–40 to +150		2.0	5.0	50	500	150	0.7	500/500	0.3	500/1000	4.0	2.1	7	98
		FMQ-G2FS	10	50	–40 to +150		2.8	10	50	500	150(Tj)	0.5	500/500	0.2	500/1000	4.0	2.1		
		FMU-G2FS	10	50	–40 to +150		1.6	10	50	6000	150(Tj)	0.6	500/500	0.25	500/1000	4.0	2.1		99
		FMQ-G2FLS	10	50	–40 to +150		1.8	10	50	500	150(Tj)	1.2	500/500	0.4	500/1000	4.0	2.1		98
		FMQ-G2FMS	10	50	–40 to +150		2.4	10	50	500	150	0.5	500/500	0.25	500/1000	4.0	2.1		
		FMQ-G5FMS	10	50	–40 to +150		2.4	10	50	500	100	0.5	500/500	0.2	500/1000	2	6.5	8	99
1600	Axial	RH 3G	2.5	50	–40 to +150		1.3	2.5	50	500	100	4	100/100	1.3	100/200	10	1.0	5	96
1700	Frame-2Pin	FMQ-G5GS	10	50	–40 to +150		2.7	10	100	500	100	0.5	500/500	0.2	500/1000	2	6.5	8	99
1800	Frame-2Pin	FMP-G5HS	8.0	50	–40 to +150		2.0	8	25	250	100	1.0	500/500	0.4	500/1000	2	6.5	8	99
		FMR-G5HS	10	50	–40 to +150		1.6	10	20	200	100	1.8	500/500	0.7	500/1000	2	6.5		
2000	Axial	RC 2	0.2	20	–40 to +150		2.0	0.2	10	300	100	4.0	10/10	1.3	10/20	15	0.4	3	57

■External Dimensions

Flammability: UL94V-0 or Equivalent (Unit: mm)

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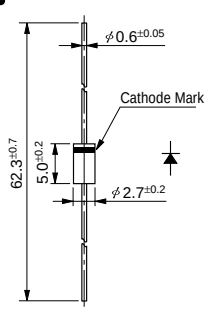

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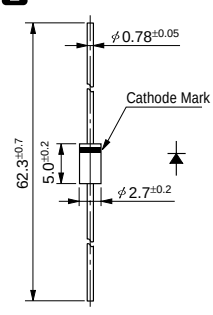

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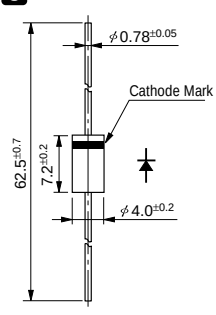

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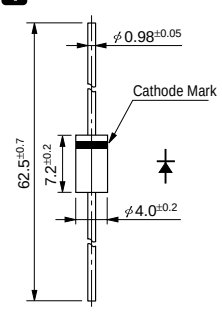

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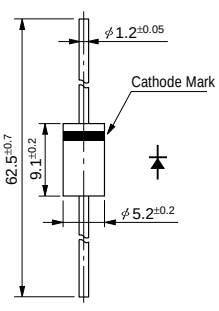

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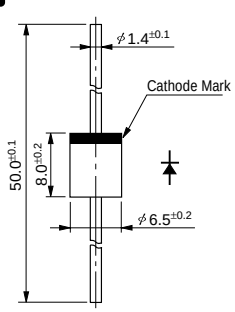

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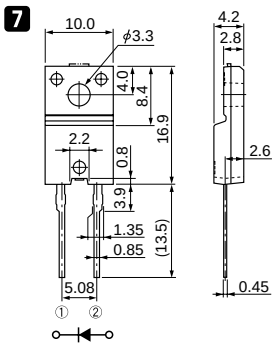

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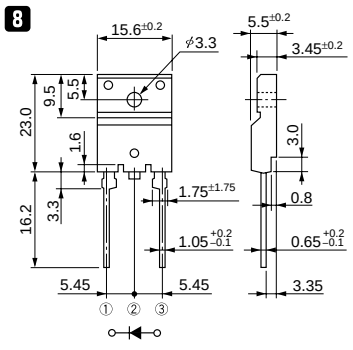

Damper Diodes

t_{rr}①: I_F/I_R (=I_F) 90% Recovery Point
(ex. I_F/I_R =100mA/100mA 90% Recovery Point)
t_{rr}②: I_F/I_R (=2 I_F) 75% Recovery Point
(ex. I_F/I_R =100mA/200mA 75% Recovery Point)

Division	V_{RM} (V)	Part Number	$I_{F(AV)}$ (A) ( ) is with Heatsink	I_{FSM} (A) 50Hz Half-cycle Sinewave Single Shot	Tj (°C)	Tstg (°C)	V_F (V) max	I_F (A)	I_R (μA) $V_R=V_{RM}$ max	I_R (H) (mA) $V_R=V_{RM}$ max	Ta (°C)	t_{rr}① (μs)	I_F/I_{FP} (mA)	t_{rr}② (μs)	I_F/I_{FP} (mA)	Rth (j-ℓ) Rth (j-c) (°C/W)	Mass (g)	Fig. No.	Page where characteristic curve is shown
For TV	1300	RH 2D	1.0	60	–40 to +150		1.0	1.0	10	0.5	100	4.0	10/10	1.3	100/200	12	0.6	1	96
	1500	RH 10F	0.8	60	–40 to +150		1.0	1.0	10	0.5	100	4.0	10/10	1.3	100/200	15	0.44	2	
		RH 2F	1.0	60	–40 to +150		1.0	1.0	10	0.5	100	4.0	10/10	1.3	100/200	12	0.6	1	
		RS 3FS	2.0	50	–40 to +150		1.1	3.0	50	0.5	100	2.0	100/100	0.8	100/200	10	1.0	3	
		RH 3F	2.5	50	–40 to +150		1.3	2.5	50	0.5	100	4.0	100/100	1.3	100/200	10	1.0		
		RS 4FS	1.5 (2.5)	50	–40 to +150		1.5	3.0	50	0.5	100	1.0	100/100	0.4	100/200	8	1.2	4	97
		RH 4F	2.5	50	–40 to +150		1.5	2.5	10	0.35	100	4.0	100/100	1.3	100/200	8	1.2		96
	1600	RH 3G	2.5	50	–40 to +150		1.3	2.5	50	0.5	100	4.0	100/100	1.3	100/200	10	1.0	3	
	1700	FMV-G2GS	6.0	50	–40 to +150		1.5	6.0	50	3	150 (Tj)	2.0	500/500	0.8	500/1000	4	2.1	6	98
	1800	FMR-G5HS	10	50	–40 to +150		1.6	10	20	0.2	100	1.8	500/500	0.7	500/1000	2	6.5	5	99
For CRT Display	1300	RU 4D	1.2 (1.5)	50	–40 to +150		1.8	1.5	50	0.5	100	0.4	500/500	0.18	500/1000	8	1.2	4	97
		RU 4DS	1.5 (2.5)	50	–40 to +150		1.8	3.0	50	0.5	100	0.4	500/500	0.18	500/1000	8	1.2		
	1500	RP 3F	2.0	50	–40 to +150		1.7	2.0	50	0.5	100	0.7	500/500	0.3	500/1000	10	1.0	3	96
		FMQ-G1FS	5.0	50	–40 to +150		2.0	5.0	50	0.5	150	0.7	500/500	0.3	500/1000	4	2.1	6	98
		FMQ-G2FLS	10	50	–40 to +150		1.8	10.0	50	0.5	150 (Tj)	1.2	500/500	0.4	500/1000	4	2.1		
		FMU-G2FS	10	50	–40 to +150		1.6	10	50	6	150 (Tj)	0.6	500/500	0.25	500/1000	4	2.1		99
		FMQ-G2FS	10	50	–40 to +150		2.8	10	50	0.5	150 (Tj)	0.5	500/500	0.2	500/1000	4	2.1		98
		FMQ-G2FMS	10	50	–40 to +150		2.4	10	50	0.5	150	0.5	500/500	0.25	500/1000	4	2.1		
		FMQ-G5FMS	10	50	–40 to +150		2.4	10	50	0.5	100	0.5	500/500	0.2	500/1000	2	6.5		
	1700	FMQ-G5GS	10	50	–40 to +150		2.7	10	100	0.5	100	0.5	500/500	0.2	500/1000	2	6.5	5	99
	1800	FMP-G5HS	8.0	50	–40 to +150		2.0	8.0	25	0.25	100	1.0	500/500	0.4	500/1000	2	6.5		
For CRT Display Compensation	1300	RG 2A2	0.5	5	–40 to +150		3.5	0.5	100	0.5	100	0.1	100/100	0.05	100/200	12	0.6	1	97
	1600	RC 3B2	1.0	20	–40 to +150		3.6	1.0	100	0.5	100	0.07	500/500	0.035	500/1000	10	1.0	3	

■External Dimensions

Flammability: UL94V-0 or Equivalent (Unit: mm)

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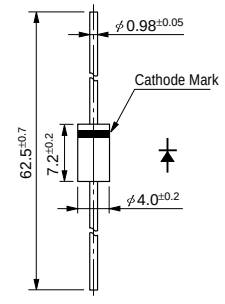

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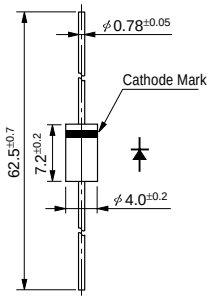

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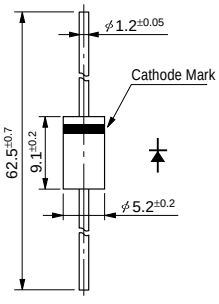

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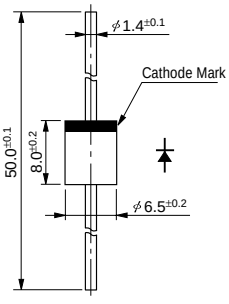

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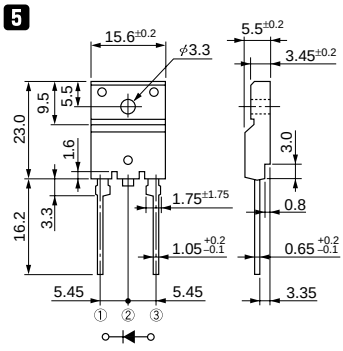

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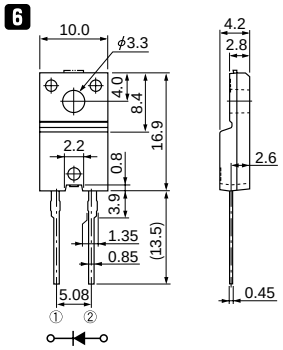
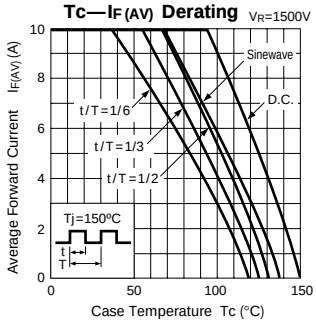


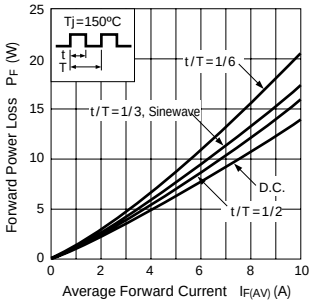
Damper Diodes

FMU-G2FS

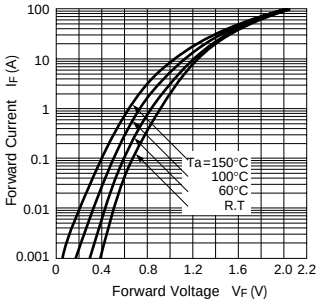
Tc—$I_{F(AV)}$ Derating V_R=1500V



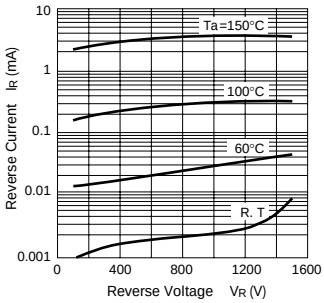
$I_{F(AV)}$—P_F Characteristics



V_F—I_F Characteristics (Typical)

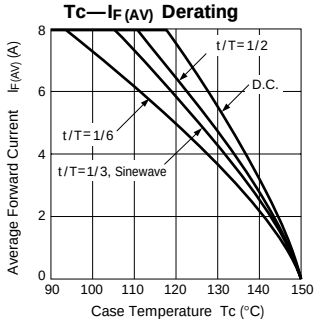


V_R—I_R Characteristics (Typical)

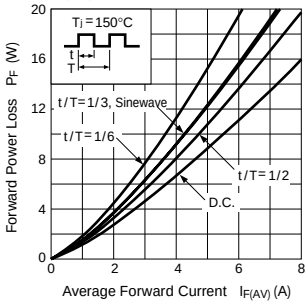


FMP-G5HS

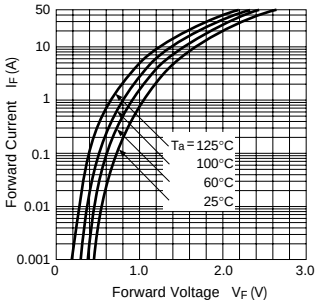
Tc—$I_{F(AV)}$ Derating



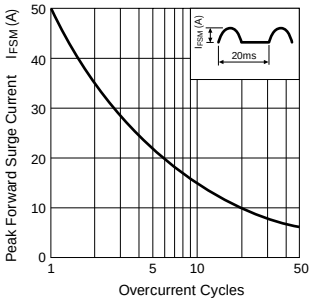
$I_{F(AV)}$—P_F Characteristics



V_F—I_F Characteristics (Typical)

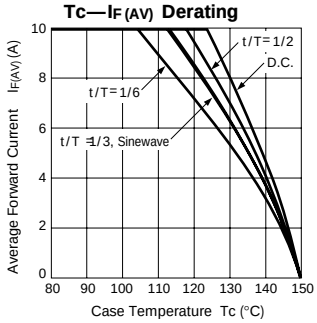


I_{FMS} Rating

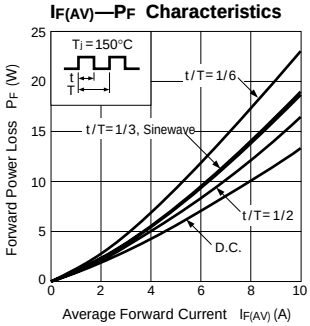


FMQ-G5FMS

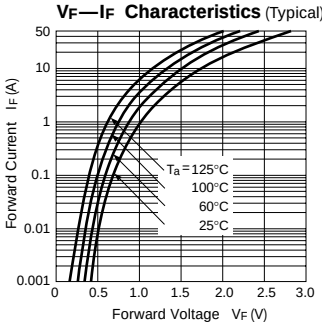
Tc—$I_{F(AV)}$ Derating



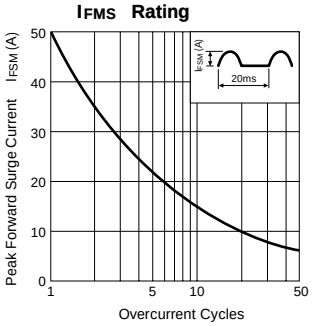
$I_{F(AV)}$—P_F Characteristics



V_F—I_F Characteristics (Typical)

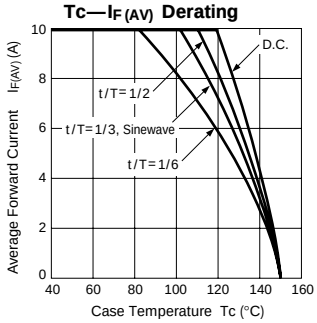


I_{FMS} Rating

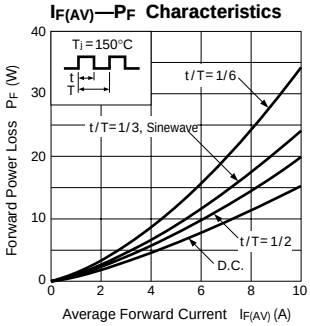


FMQ-G5GS

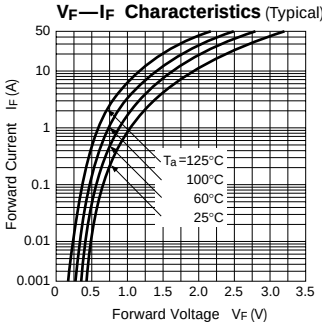
Tc—$I_{F(AV)}$ Derating



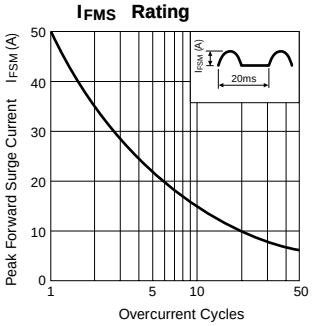
$I_{F(AV)}$—P_F Characteristics



V_F—I_F Characteristics (Typical)

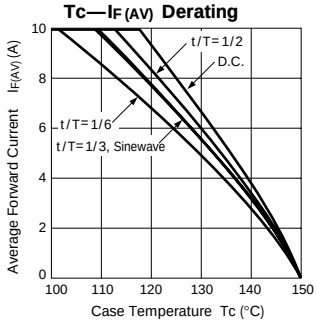


I_{FMS} Rating

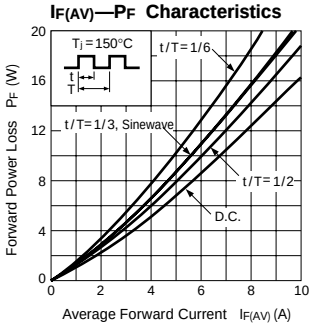


FMR-G5HS

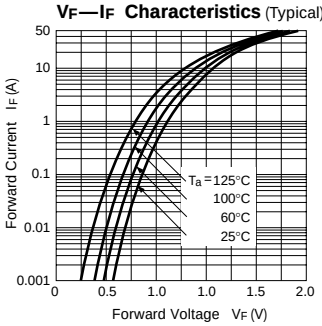
Tc—$I_{F(AV)}$ Derating



$I_{F(AV)}$—P_F Characteristics



V_F—I_F Characteristics (Typical)



I_{FMS} Rating