

■ Features

- $I_F (AV)$ 1.5A
- V_{RRM} 50V~1000V
- High reliability

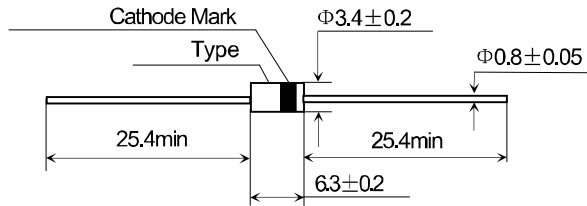
■ Outline Dimensions and Mark

Unit: mm



■ Applications

- General purpose rectifier applications



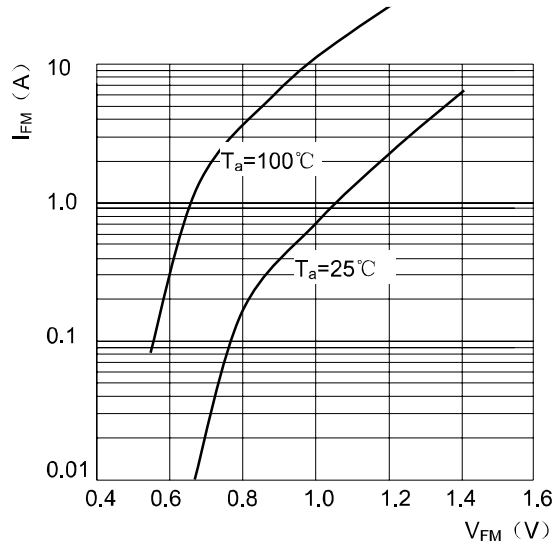
■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	T1N								
			5391	5392	5393	5394	5395	5396	5397	5398	5399
Repetitive Peak Reverse Voltage	V_{RRM}	V	50	100	200	300	400	500	600	800	1000
Peak Working Reverse Voltage	V_{RWM}	V	50	100	200	300	400	500	600	800	1000
Non-Repetitive Peak Reverse Voltage	V_{RSM}	V	75	150	220	330	440	550	660	880	1100
Average Forward Current	$I_{F(AV)}$	A	1.5 (50Hz Half-sine wave, Resistance load, $T_{break}=50^{\circ}C$)								
Surge(Non-repetitive)Forward Current	I_{FSM}	A	50 (50Hz Half-sine wave, 1 cycle, $T_a=25^{\circ}C$)								
Junction and Storage Temperature	T_j, T_{stg}	$^{\circ}C$	-40 ~ +150								
Operating Ambient Temperature	T_a	$^{\circ}C$	-40 ~ +150								

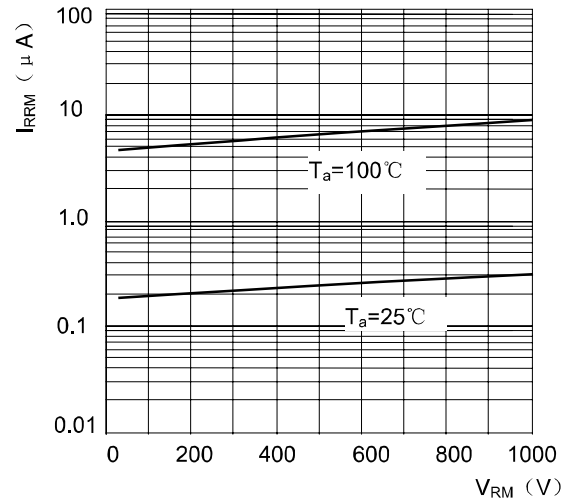
■ Electrical Characteristics ($T_a=25^{\circ}C$ Unless otherwise specified)

Item	Symbol	Unit	Test Condition		Max
Peak Forward Voltage	V_{FM}	V	$I_{FM}=1.5A$		1.4
Peak Reverse Current	I_{RRM1}	μA	$V_{RM}=V_{RRM}$	$T_a=25^{\circ}C$	10
	I_{RRM2}			$T_a=100^{\circ}C$	50
Thermal Resistance (Typical)	$R_{\theta J-A}$	$^{\circ}C/W$	Between junction and ambient		45
	$R_{\theta J-L}$		Between junction and lead		20

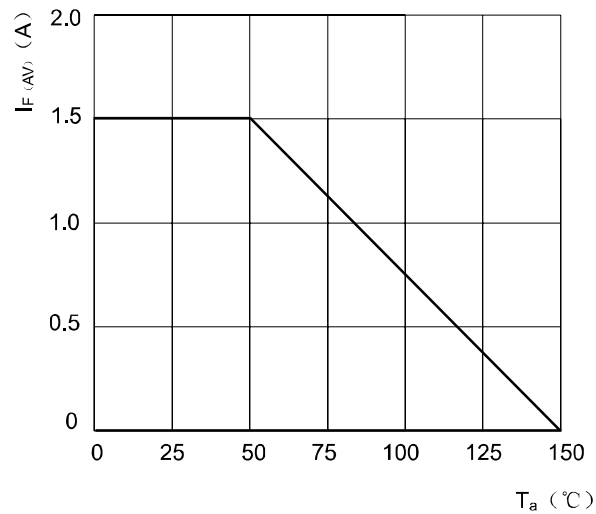
■ Characteristics(Typical)



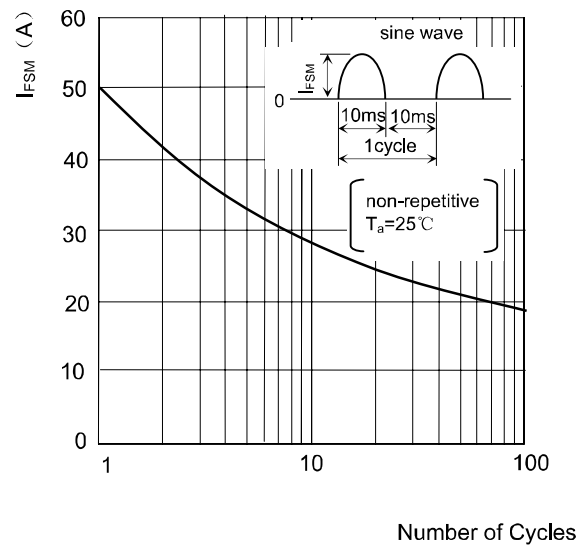
Forward Characteristics



Reverse Characteristics



$I_{F(AV)} - T_a$ Derating



Surge Forward Current Capability