

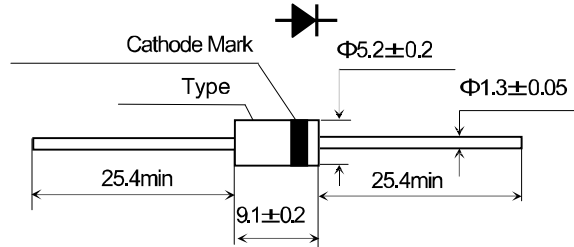
■ Features

- $I_{F(AV)}$ 3.0A
- V_{RRM} 50V~1000V
- High reliability
- Halogen Free product

■ Applications

- General purpose rectifier applications

■ Outline Dimensions and Mark



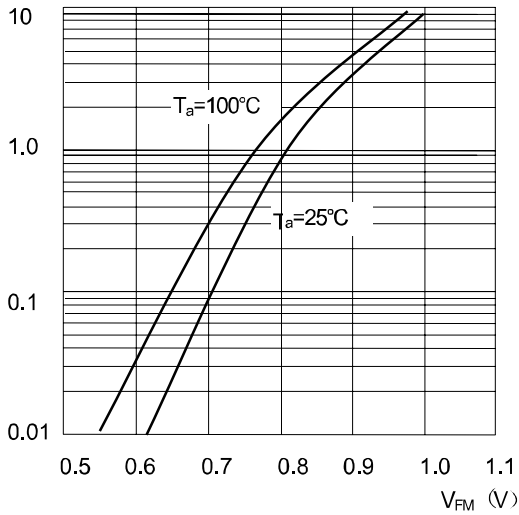
■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	T1N								
			5400F	5401F	5402F	5403F	5404F	5405F	5406F	5407F	5408F
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	30 (50Hz Half-sine wave, Resistance load, $T_{break}=50^{\circ}\text{C}$)								
Surge(Non-repetitive)Forward Current	I_{FSM}	A	200 (50Hz Half-sine wave, 1 cycle, $T_a=25^{\circ}\text{C}$)								
Junction and Storage Temperature	T_j, T_{stg}	$^{\circ}\text{C}$	-40 ~ +150								
Operating Ambient Temperature	T_a	$^{\circ}\text{C}$	-40 ~ +150								

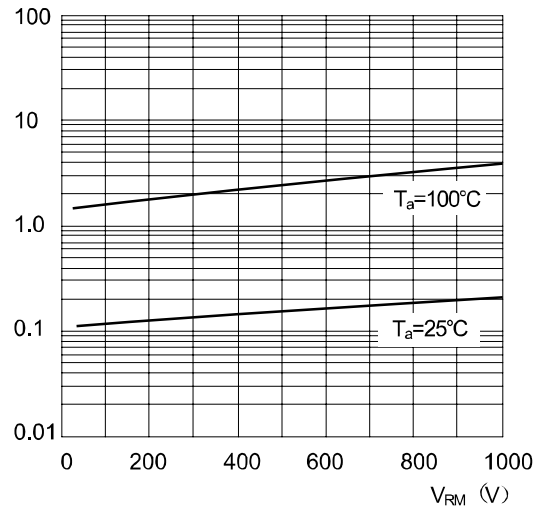
■ Electrical Characteristics ($T_a=25^{\circ}\text{C}$ Unless otherwise specified)

Item	Symbol	Unit	Test Condition		Max
Peak Forward Voltage	V_{FM}	V	$I_{FM}=3.0\text{A}$		1.2
Peak Reverse Current	I_{RRM1}	μA	$V_{RM}=V_{RRM}$	$T_a=25^{\circ}\text{C}$	10
	I_{RRM2}			$T_a=100^{\circ}\text{C}$	50
Thermal Resistance (Typical)	$R_{\theta J-A}$	$^{\circ}\text{C/W}$	Between junction and ambient		20
	$R_{\theta J-L}$		Between junction and lead		10

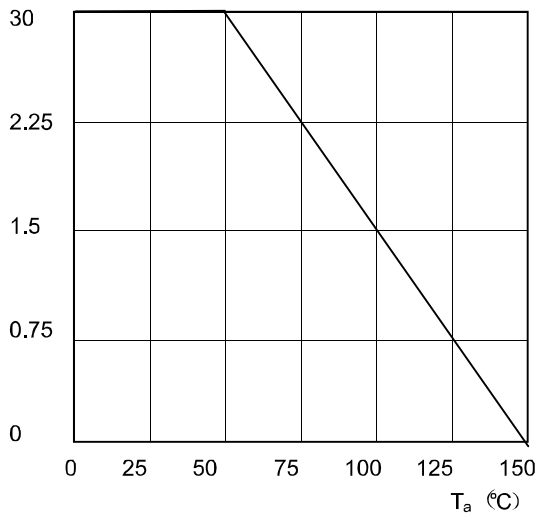
■ **Characteristics(Typical)**



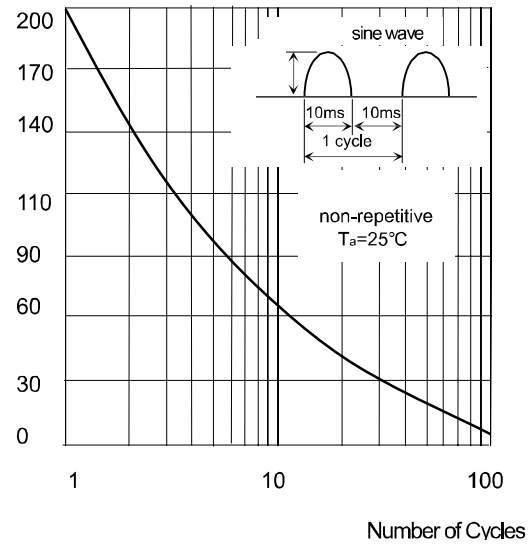
Forward Characteristics



Reverse Characteristics



$I_{F(AV)}$ — T_a Derating



Surge Forward Current Capability