General Purpose Rectifier

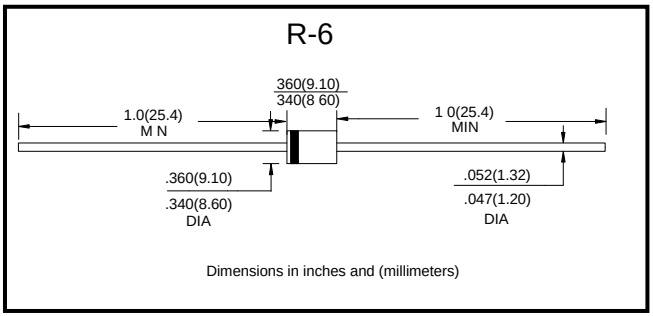
■ Features

- I_o 10A
- VRRM 50V-1000V
- High surge current capability

■ Applications

- Rectifier

■ Outline Dimensions and Mark



■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	10A						
				05	1	2	4	6	8	10
Repetitive Peak Reverse Voltage	V_{RRM}	V		50	100	200	400	600	800	1000
Average Forward Current	$I_{F(AV)}$	A	60Hz Half-sine wave, Resistance load, Ta=50℃	10						
Surge(Non-repetitive)Forward Current	I_{FSM}	A	60Hz Half-sine wave,1 cycle, Ta=25℃	600						
Junction Temperature	T_J	℃		-55~+125						
Storage Temperature	T_{STG}	℃		-55 ~ +150						

■ Electrical Characteristics (T_a=25℃ Unless otherwise specified)

Item	Symbol	Unit	Test Condition		Max
Peak Forward Voltage	V_{FM}	V	I_{FM}=10A		1.1
Peak Reverse Current	I_{RRM1}	μA	$V_{RM}=V_{RRM}$	T_a=25℃	5
	I_{RRM2}			T_a=125℃	50
Thermal Resistance(Typical)	$R_{\theta J-A}$	℃/W	Between junction and ambient		10
	$R_{\theta J-L}$		Between junction and lead		2.5

■ Characteristics(Typical)

FIG.1: FORWARD CURRENT DERATING CURVE

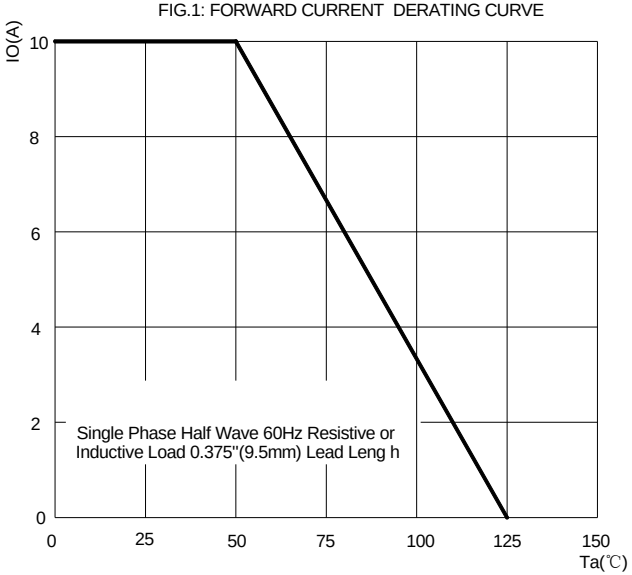


FIG.2: MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

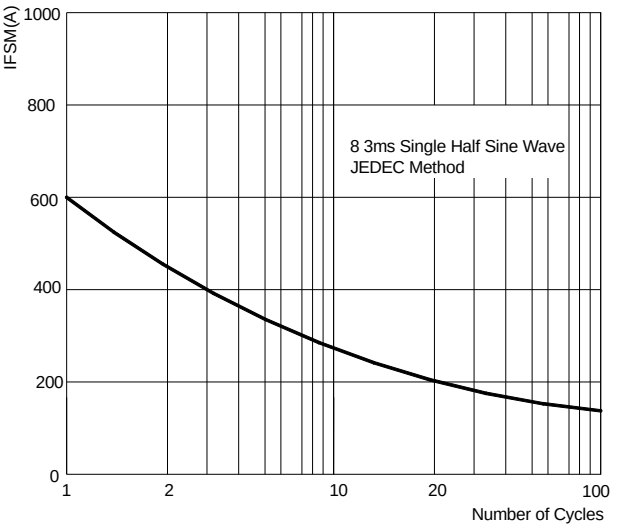


FIG.3: TYPICAL FORWARD CHARACTERISTICS

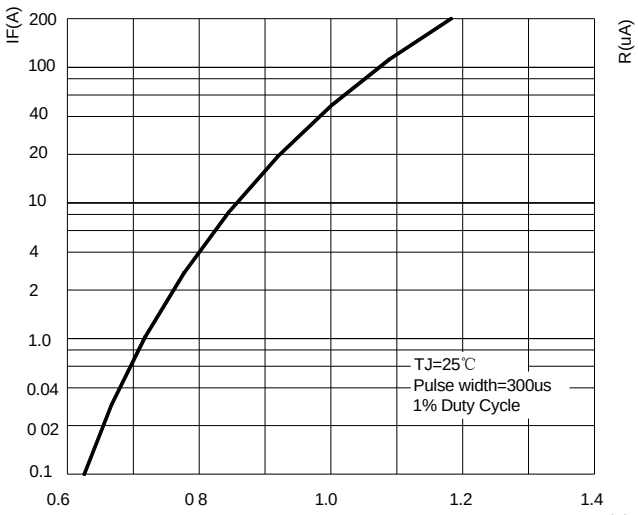


FIG.4: TYPICAL REVERSE CHARACTERISTICS

