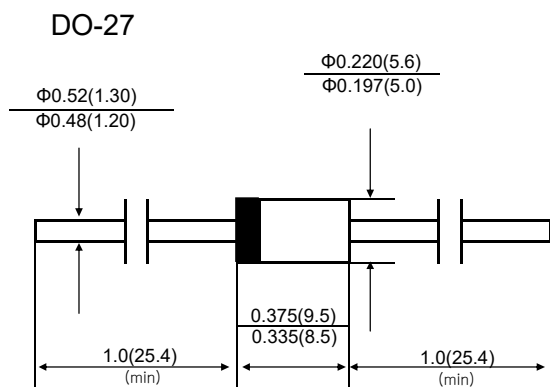


Outline Dimensions and Mark


inch (mm)

Features

- I_o 6A
- VRRM 1000V
- High surge current capability

Applications

- Rectifier

Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	6A100S
Repetitive Peak Reverse Voltage	V_{RRM}	V		1000
Average Forward Current	$I_{F(AV)}$	A	60Hz Half-sine wave, Resistance load, $T_a=50^\circ\text{C}$	6
Surge(Non-repetitive)Forward Current	I_{FSM}	A	60Hz Half-sine wave, 1 cycle, $T_a=25^\circ\text{C}$	200
Junction Temperature	T_J	$^\circ\text{C}$		-55 ~ +150
Storage Temperature	T_{STG}	$^\circ\text{C}$		-55 ~ +150

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

Item	Symbol	Unit	Test Condition	Max	
Peak Forward Voltage	V_{FM}	V	$I_{FM} = 6\text{A}$	1.0	
Peak Reverse Current	I_{RRM1}	μA	$V_{RM} = V_{RRM}$	$T_j = 25^\circ\text{C}$	5
	I_{RRM2}			$T_j = 125^\circ\text{C}$	50

■ Characteristics(Typical)

FIG.1: FORWARD CURRENT DERATING CURVE

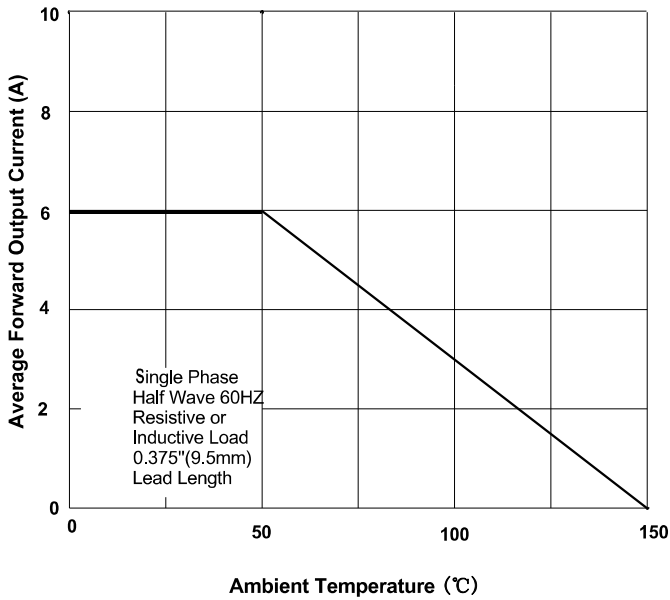


FIG.2: MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

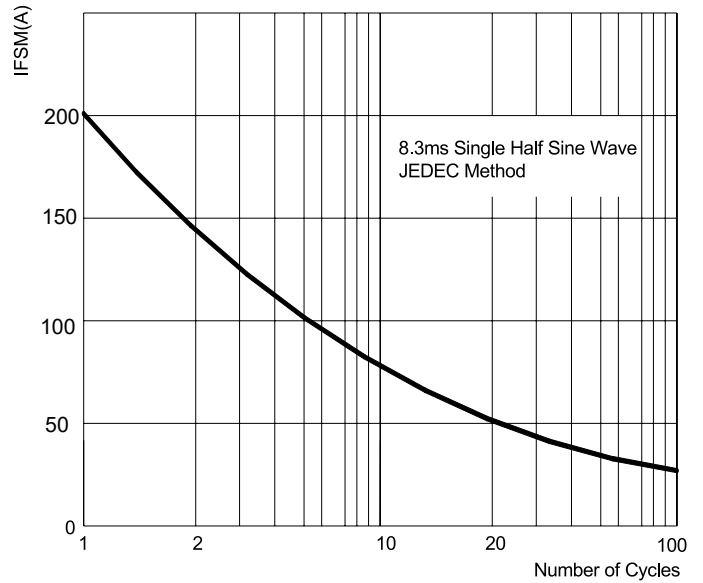


FIG.3: TYPICAL FORWARD CHARACTERISTICS

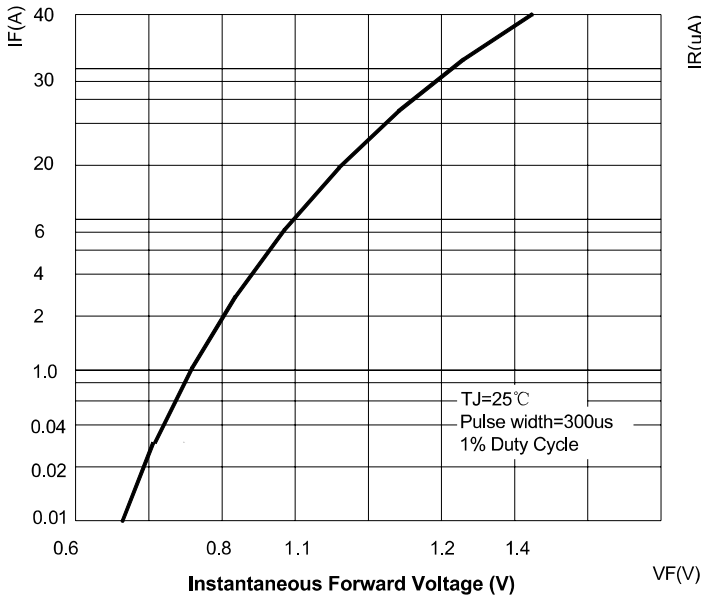


FIG.4: TYPICAL REVERSE CHARACTERISTICS

