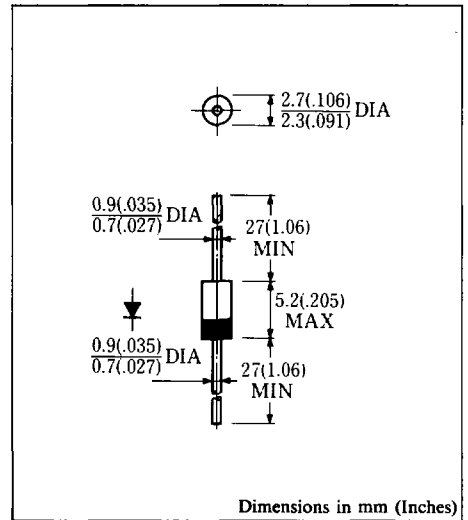


FEATURES

- Miniature Size
- Low Forward Voltage Drop
- Low Reverse Leakage Current
- High Surge Capability
- 52mm Inside Tape Spacing Package Available



Approx. Net Weight: 0.33 Grams

MAXIMUM RATINGS

Voltage Rating	Type	10E1	10E2	10E4	10E6	10E8	Unit
	Symbol						
Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	600	800	V
Non-Repetitive Peak Reverse Voltage	V_{RSM}	250	400	600	800	1000	V
Electrical Rating	Symbol	Condition			Rating		Unit
Average Rectified Output Current	I_o	180° sinusoidal wave conduction $T_a = 70^\circ\text{C}$			1.0		A
RMS Forward Current	$I_{F(RMS)}$				1.57		A
Peak One-cycle Forward Surge Current	I_{FSM}	50Hz half sine wave, non-repetitive			50		A
Operating Frequency	f				1,000		Hz
Operating Junction Temperature Range	T_{jw}				-40 to 150		°C
Storage Temperature Range	T_{stg}				-40 to 150		°C

ELECTRICAL & THERMAL CHARACTERISTICS

Characteristics	Symbol	Test Condition	Max.	Unit
Peak Forward Voltage	V_{FM}	$I_{FM} = 1.0A$ $T_j = 25^\circ\text{C}$	0.9	V
Peak Reverse Current	I_{RM}	$V_{RM} = V_{RRM}$ $T_j = 25^\circ\text{C}$	10E1 ~ 10E2	50
			10E4 ~ 10E8	10
Thermal Resistance	$R_{th(j-a)}$	Junction to Case	91	°C/W

FIG.1-FORWARD VOLTAGE VS. FORWARD CURRENT

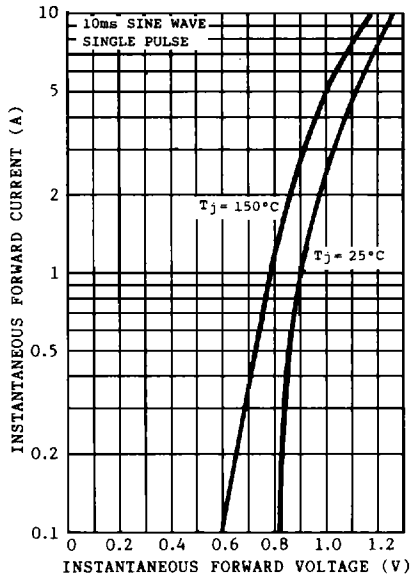


FIG.2-AVERAGE FORWARD POWER DISSIPATION

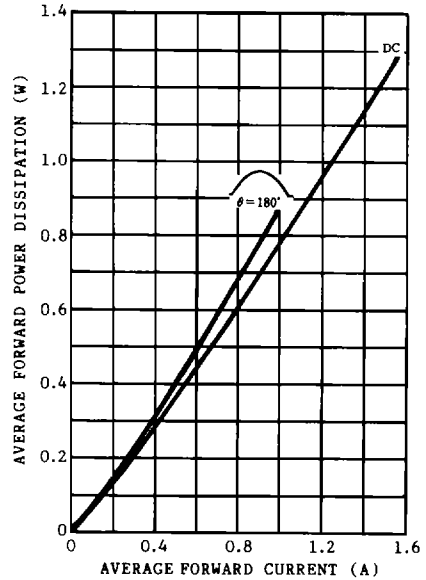


FIG.3-AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE

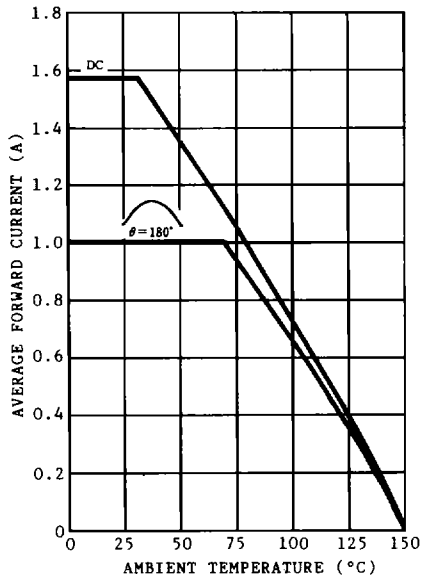


FIG.4-SURGE CURRENT RATINGS

