

10A05~10A10

GENERAL PURPOSE PLASTIC RECTIFIER

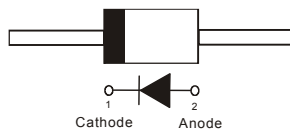
VOLTAGE	50~1000 Volt	CURRENT	10 Ampere
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FEATURES

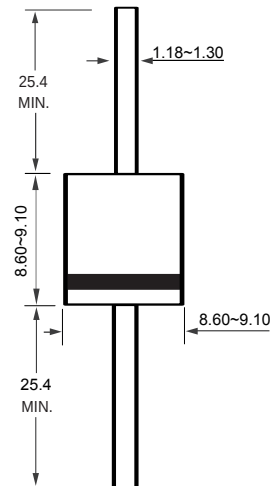
- Low Leakage Current
- High current capability
- High reliability
- Lead free in compliance with EU RoHS

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



P-600 Unit:mm



MAXIMUM RATINGS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz resistive or inductive load.
For Capacitive load derate current by 20%.

PARAMETER	SYMBOL	10A05	10A1	10A2	10A4	10A6	10A8	10A10	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current	$I_F(AV)$	10							A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	400							A
Maximum Forward Voltage at 10A	V_F	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	10							μA
Typical Thermal Resistance (Note 2)	$R_{\theta JL}$ $R_{\theta JA}$	6 16							°C / W
Typical Junction Capacitance (Note 1)	C_J	100							pF
Operating and Storage Temperature Range	T_J, T_{STG}	-55 to +150							°C

Note:1.Measured at 1 MHz and Applied Reverse Voltage of 4 Volt.

2.The testing condition of the thermal resistance (junction to ambient and junction to lead) is based on 0mm lead length between two 10cm x 10cm x 0.5mm copper pad heatsinks.

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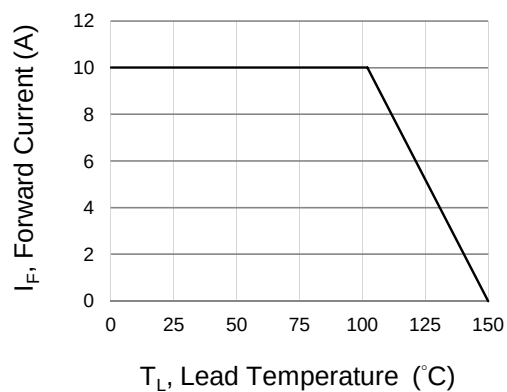


Fig.1 Forward Current Derating Curve

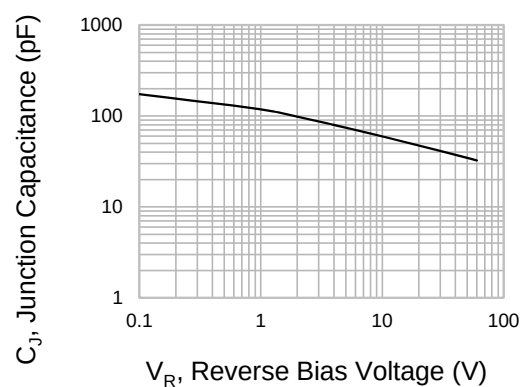


Fig.2 Typical Junction Capacitance

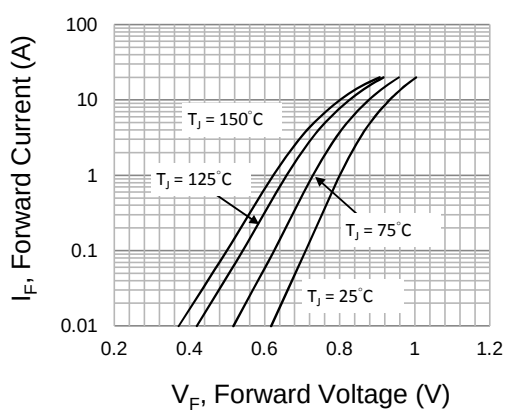


Fig.3 Typical Forward Characteristics

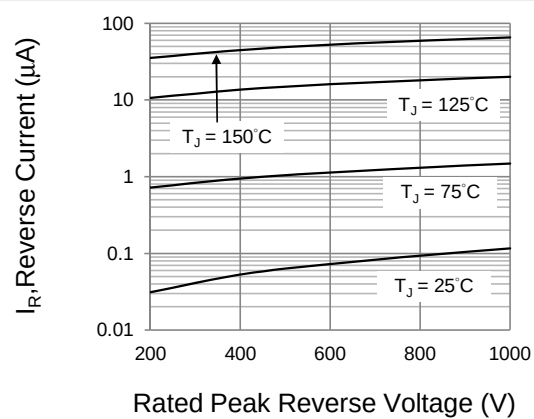


Fig.4 Typical Reverse Characteristics

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Ordering Information

- Packing information

10A05~10A10	Packing Quantity
Tape&Reel	13 Inch; 0.8kpcs/Reel
Ammo Packing	0.4kpcs/Ammo Box
Bulk(Tube/Box)	0.1kpcs/Box