



Features:

- Low Cost
- Glass Passivated Junction
- Low Leakage
- Low Forward Voltage Drop
- High Current Capability
- Easily Cleaned with Freon, Alcohol, Isopropanol and similar solvents

Mechanical Data:

- Case: JEDEC DO-15, Molded Plastic
- Terminals : Axial Lead, Solderable per MIL- STD-202, Method 208
- Polarity : Colour Band Denotes Cathode
- Weight : 0.014oz, 0.38g
- Mounting Position : Any

Maximum Ratings and Electrical Characteristics:

Ratings at 25°C ambient temperature unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate by 20%.

Characteristics	Symbol	2A01G-T	Units
Maximum recurrent peak reverse voltage	V_{RRM}	50	V
Maximum RMS voltage	V_{RMS}	35	V
Maximum DC blocking voltage	V_{DC}	50	V
Maximum average forward rectified current 9.5mm lead length at $T_A = 75^\circ\text{C}$	$I_{F(AV)}$	2	A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	I_{FSM}	65	A
Maximum instantaneous forward voltage at 2A DC	V_F	1.1	V
Maximum reverse current at $T_A = 25^\circ\text{C}$ at rated DC blocking voltage at $T_A = 125^\circ\text{C}$	I_R	5 200	μA
Typical junction capacitance (Note 1)	C_J	40	pF
Typical thermal resistance (Note 2)	$R_{\theta JA}$	18	$^\circ\text{C/W}$
Operating and Storage temperature range	T_J, T_{STG}	- 55 to +175	$^\circ\text{C}$

Note:

- (1) Measured at 1MHz and applied reverse voltage of 4V DC
- (2) Thermal resistance from junction to ambient

FIG.1 --TYPICAL FORWARD CURRENT DERATING CURVE

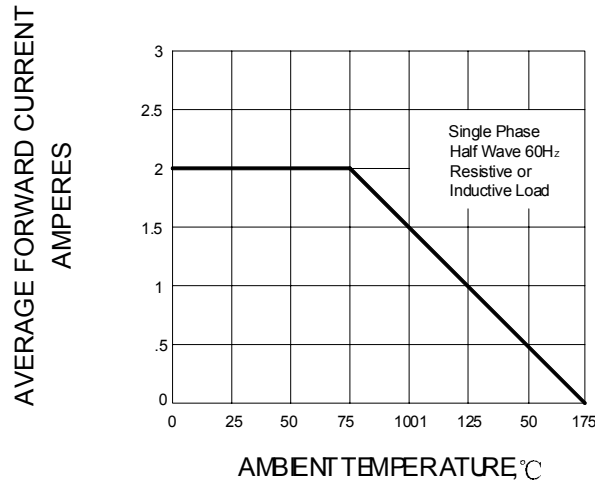


FIG.2 --TYPICAL REVERSE CHARACTERISTICS

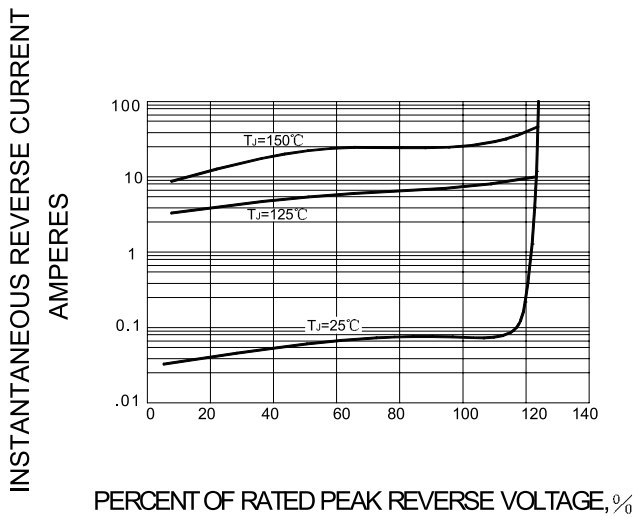


FIG.3--TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

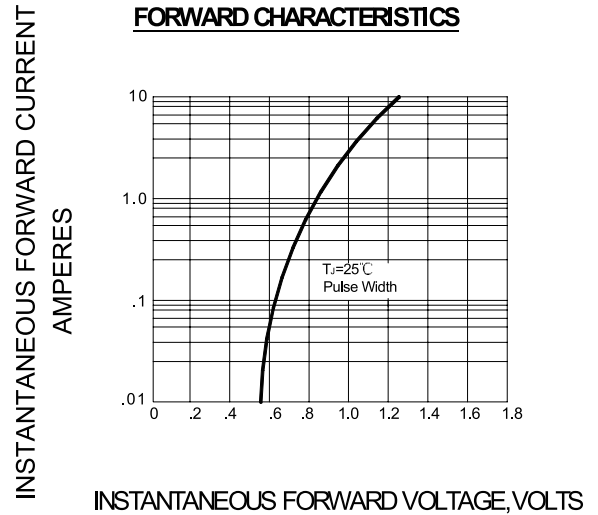


FIG.4-PEAK FORWARD SURGE CURRENT

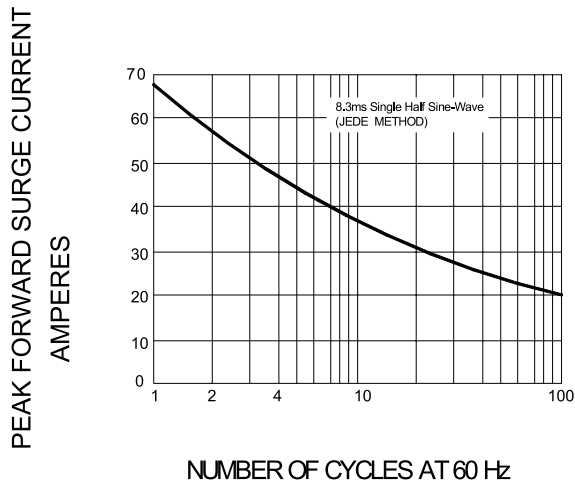
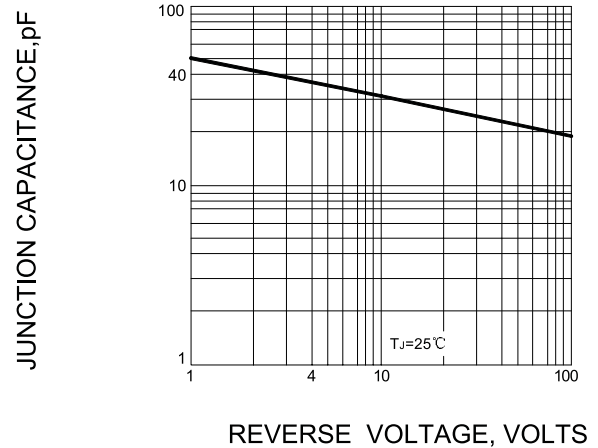
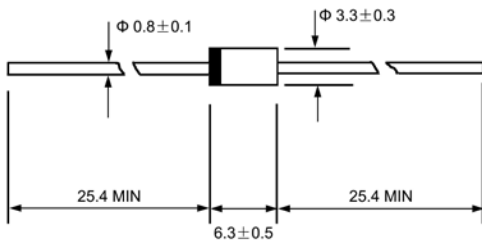


FIG.5-TYPICAL JUNCTION CAPACITANCE



Dimensions:



Dimensions : Millimetres

Part Number Table

Description	Part Number
Glass Passivated Rectifier	2A01G-T

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