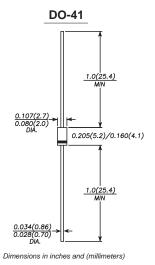
BY133G

GLASS PASSIVATED SILICON RECTIFIER

Reverse Voltage - 1300 Volts Forward Current -1.0 Ampere



FEATURES

- ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- Low reverse leakage
- High forward surge current capability
- High temperature soldering guaranteed: 260°C/10 seconds,0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension
- Glass passivated chip junction

MECHANICAL DATA

Case: JEDEC DO-41 molded plastic body

Terminals: Plated axial leads, solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.012 ounce, 0.33 grams

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 current derate by 20%.

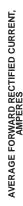
	SYMBOLS	BY133G	UNITS
Maximum repetitive peak reverse voltage	Vrrm	1300	V
Maximum RMS voltage	VRMS	910	V
Maximum DC blocking voltage	VDC	1300	V
Maximum average forward rectified current 0.375"(9.5mm) lead length at Ta=75℃	l(AV)	1.0	А
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	lfsm	30.0	А
Maximum instantaneous forward voltage at 1.0A	VF	1.1	V
Maximum DC reverse current Ta=25℃ at rated DC blocking voltage Ta=100℃	lr	5.0 50.0	μΑ
Typical junction capacitance (NOTE 1)	Cı	15.0	pF
Typical thermal resistance (NOTE 2)	RθJA	50.0	°C/W
Operating junction and storage temperature range	Тл,Твтв	-55 to +150	°C

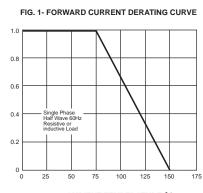
Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2.Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted

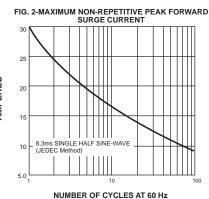


RATINGS AND CHARACTERISTIC CURVES BY133G









AMBIENT TEMPERATURE,°C

FIG. 3-TYPICAL INSTANTANEOUS FORWARD

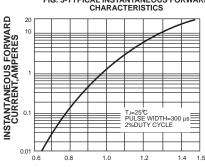
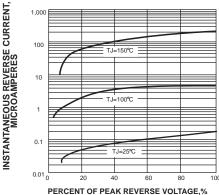
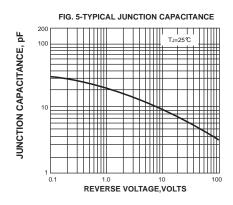
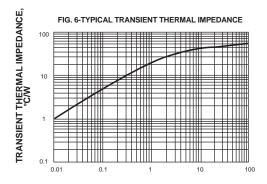


FIG. 4-TYPICAL REVERSE CHARACTERISTICS



INSTANTANEOUS FORWARD VOLTAGE, VOLTS





t,PULSE DURATION,sec.

