

GP3-18 THRU GP3-20 HIGH VOLTAGE SILICON RECTIFIER

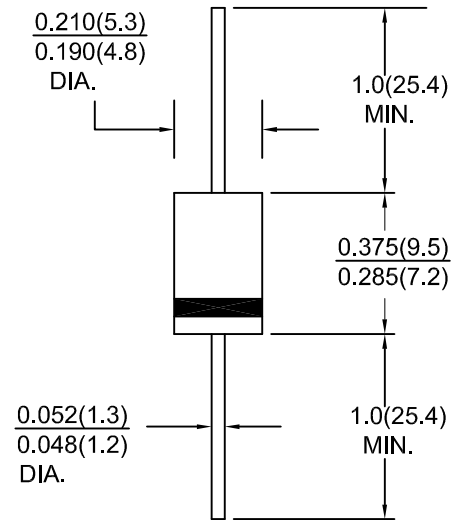
FEATURES:

- Molded case feature for auto insertion
- High current capability
- Low leakage current
- High surge capability
- High temperature soldering:
250°C / 10 second / 0.375" (9.5mm) lead length at 5 lbs tension

MECHANICAL DATA

Case: Molded with UL-94 Class V-0 recognized flame retardant epoxy
 Terminals: Plated axial solderable per MIL-STD-750, Method 2026
 Polarity: Color band denotes cathode
 Mounting Position : Any

DO-201AD



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25° C ambient temp. unless otherwise specified.
 Single phase, half sine wave, 60 Hz, resistive or inductive load.
 For capacitive load, derate current by 20 %.

Characteristic	Symbol	GP3-18	GP3-20	Units
Maximum recurrent peak reverse voltage	V _{RRM}	1800	2000	Volts
Maximum RMS voltage	V _{RMS}	1270	1400	Volts
Maximum DC voltage	V _{DC}	1800	2000	Volts
Maximum average forward rectified current at T _a =55 °C	I _O	3.0		Amps
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	90		Amps
Maximum instantaneous forward voltage drop per leg at 1.0A	V _F	1.3		Volts
Maximum DC reverse current At DC blocking voltage	I _R	T _a =25 °C	10	μ A
		T _a =100 °C	100	
Operating Junction and storage temperature range	T _J , T _{stg}	-65 to +150		°C

RATINGS AND CHARACTERISTIC CURVES GP3-18 THRU GP3-20

