

GP3-18 THRU GP3-20 HIGH VOLTAGE SILICON RECTIFIER

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

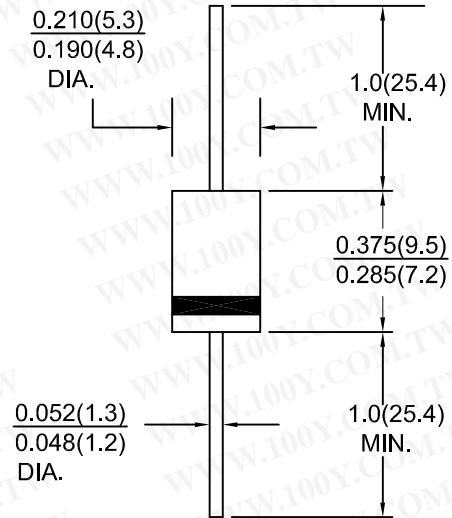
DO-201AD

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



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	VDC	1800	2000	Volts
Maximum average forward rectified current at $T_a=55^\circ\text{C}$	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	10 100		μA
Operating Junction and storage temperature range	T_J, T_{stg}	-65 to +150		$^\circ\text{C}$

RATINGS AND CHARACTERISTIC CURVES GP3-18 THRU GP3-20

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