20 STERN AVE. SPRINGFIELD, NEW JERSEY 07081 U.S.A. TELEPHONE: (973) 376-2922

(212) 227-6005

FAX: (973) 376-8960

G105 ~ G270

I_{T(RSM)} = 1.0 Amperes V_{BO} = 95 thru 280 Volts

MECHANICAL DATA:

* Case: DO-41 Molded plastic

* Epoxy: UL94V-O rate flame retardant

* Lead : Axial lead solderable per MIL-STD-202,

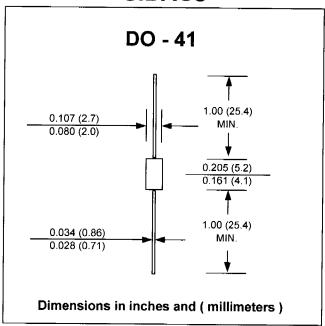
Method 208 guaranteed

* Polarity : Color band denotes cathode end

* Mounting position : Any * Weight : 0.339 gram

* Pb / RoHS Free

SIDACs



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.

RATING	SYMBOL	G105	G120	G130	G220	G240	G260	G270	UNIT
Maximum Repetitive Peak Off-State Voltage	V _{DRM}	±90	±90	±90	±180	±180	±180	±180	٧
Minimum Breakover Voltage	V _{BO(Min.)}	95	110	120	205	220	240	250	V
Maximum Breakover Voltage	V _{BO(Max.)}	113	125	135	230	250	270	280	
Maximum On-State RMS Current	I _{T(RMS)}	1.0							Α
Maximum Peak Surge (Non-Repetitive)									
On-State RMS Current one-cycle @ 60Hz	Iтsм	20							Α
Maximum Repetitive Peak Off-State Current									μА
(60 Hz Sine Wave , V_D = Rated V_{DRM})	I _{DRM} 10								
Maximum Dynamic Holding Current	I _{HO}	100						mA	
Maximum Breakover Current	I _{BO}	200							<u>μ</u> Α
Operating Junction Temperature Range	TJ	- 40 to + 125							°C
Storage Temperature Range	Тѕтс	- 40 to + 150							°C

NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

Quality Semi-Conductors

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