



Certificate Number: Q10561

Certificate Number: E17276

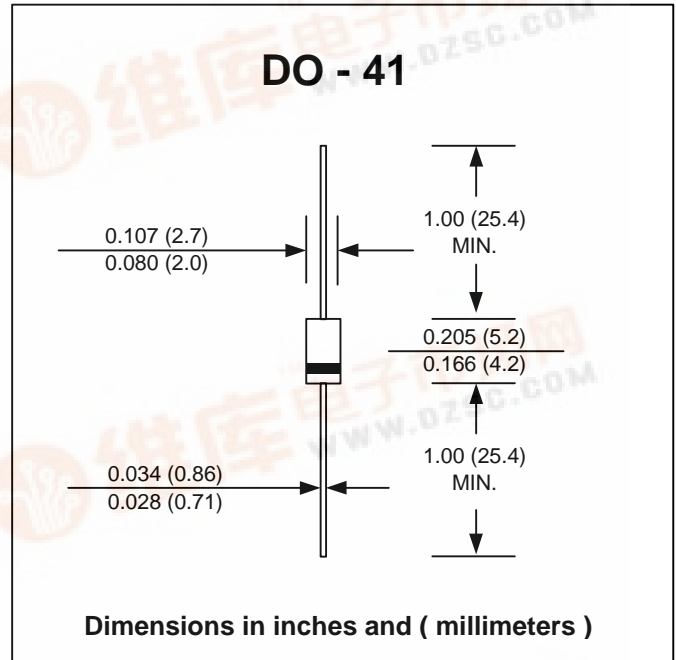
# G105 ~ G270

# SIDACs

$I_{T(RMS)} = 1.0$  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



## 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	V
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	V
Maximum On-State RMS Current	$I_{T(RMS)}$	1.0							A
Maximum Peak Surge (Non-Repetitive) On-State RMS Current one-cycle @ 60Hz	$I_{TSM}$	20							A
Maximum Repetitive Peak Off-State Current (60 Hz Sine Wave , $V_D = \text{Rated } V_{DRM}$ )	$I_{DRM}$	10							µA
Maximum Dynamic Holding Current	$I_{HO}$	100							mA
Maximum Breakover Current	$I_{BO}$	200							µA
Operating Junction Temperature Range	$T_J$	- 40 to + 125							°C
Storage Temperature Range	$T_{STG}$	- 40 to + 150							°C