

# G105 ~ G270

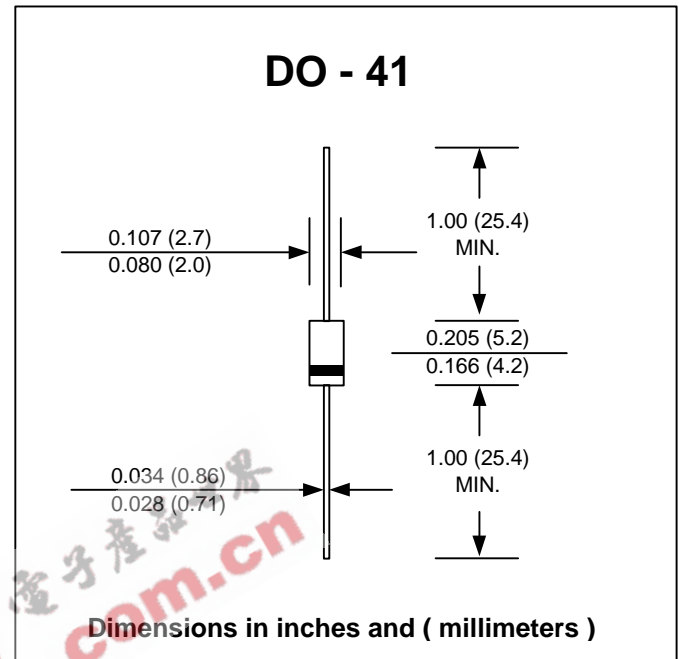
# SIDACs

$I_{T(RSM)} = 1.0$  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



### 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)<br>On-State RMS Current one-cycle @ 60Hz                    | $I_{TSM}$      | 20            |      |      |      |      |      |      | A    |
| Maximum Repetitive Peak Off-State Current<br>(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   |