

DB3/DC34/DB4/DB6

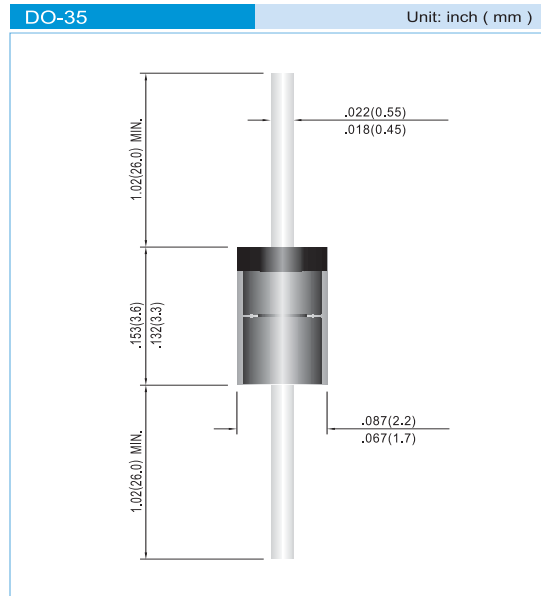
BIDIRECTIONAL DIODE THYRISTOR

FEATURES

- Low breakover current.
- Trigger diode with a fixed voltage reference.
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

- Case: Molded Glass DO-35
- Terminals: Solderable per MIL-STD-750, Method 2026
- Polarity: See Diagram Below
- Approx. Weight: 0.13 grams
- Mounting Position: Any
- Packing information
 - B - 2K per Bulk box
 - T/R - 10K per 13" plastic Reel
 - T/B - 5K per horiz. tape & Ammo box



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T_J=25°C unless otherwise noted)

| Symbol | PARAMETER | DB3 | DC34 | DB4 | DB6 | Units |
|----------------------------------|--|-----------------------|------|-----|-----|-------|
| P _C | Power Dissipation on Printrd Circuit(L=10mm) TA=50°C | 150 | | | | mW |
| I _{TRM} | Repetive Peak in-state Current tp=10us F=100Hz | 2.0 | 2.0 | 2.0 | 1.6 | A |
| T _{STG} /T _J | Storage and Operating JuntionTemperature | -40 to 125/-40 to 110 | | | | °C |

| Symbol | PARAMETER | Test Conditions | DB3 | DC34 | DB4 | DB6 | Units | |
|--------------------------------------|----------------------------|---|-----|------|-----|-----|-------|---|
| V _(BO) | Breakdown Voltage(Note 2) | c=22nF (Note 2) See diagram1 | Min | 28 | 30 | 35 | 56 | V |
| | | | Typ | 32 | 34 | 40 | 60 | |
| | | | Max | 36 | 38 | 45 | 70 | |
| +V _{BO} - V _{BO} | Breakover voltage symmetry | c=22nF (Note 2) See diagram1 | Max | ±3 | | ±4 | V | |
| ±i _μ V | Dynamic breakover voltage | i _μ =I _{BO} to I _F =10mA See diagram1 | Min | 5 | | 10 | V | |
| V _O | Output Voltage (Note 1) | See diagram2 | Min | 5 | | V | | |
| I _{BO} | Breakover current (Note 1) | c=22nF (Note 2) | Max | 100 | | μA | | |
| t _r | Rise Time (Note 1) | See diagram2 | typ | 1.5 | | μS | | |
| I _B | Leakage current (Note 1) | V _B =0.5V _{BO} max see diagram32.0 | Max | 10 | | μA | | |

NOTE1. GELECTRICAL CHARACTERISTIC APPLICABLE IN BOTH FORWARD AND REVERSE DIRECTIONS

NOTE2. GCONNECTED IN PARALLEL WITH DEVICESC

RATINGS AND CHARACTERISTIC CURVES DB3/DC34/DB4/DB6

DIAGRAM 1: Current-voltage characteristics

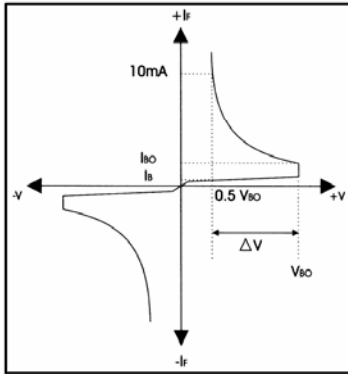


FIG.1-Power dissipation versus ambient temperature(maximum values)

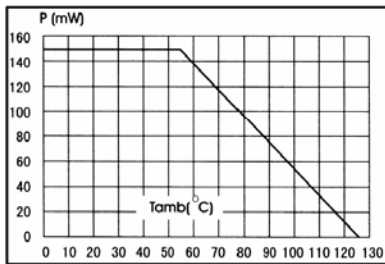


FIG.3-Peak pulse current versus pulse duration (maximum values)

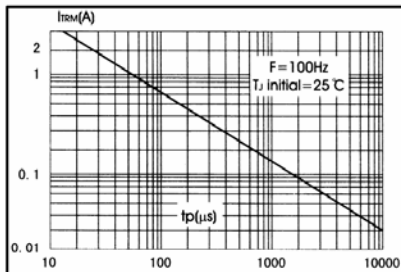


DIAGRAM 2: Test circuit for output voltage

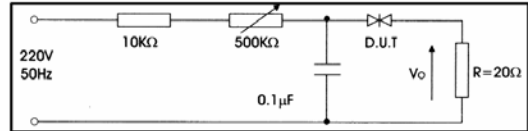


DIAGRAM 3: Test circuit see diagram2 adjust R for Ip=0.5A

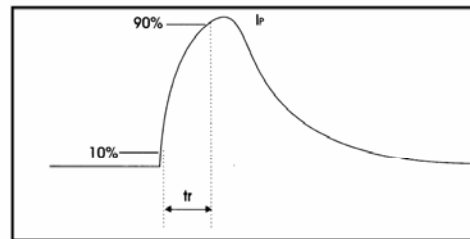
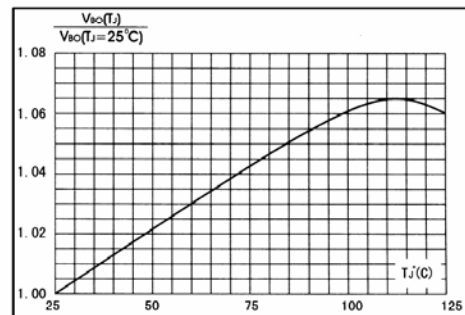


FIG.2-Relative variation of VBO versus junction temperature(typical values)



单击下面可查看定价，库存，交付和生命周期等信息

[>>Panjit\(强茂\)](#)