



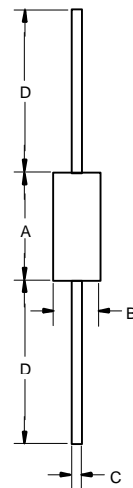
Micro Commercial Components

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DB3/DC34
AND
DB4/DB6

SILICON
BIDIRECTIONAL
DIAC

DO-35G



Features

- The three layer, two terminal, axial lead, hermetically sealed diacs are designed specifically for triggering thyristors.
Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
Moisture Sensitivity: Level 1 per J-STD-020C
These diacs are intended for use in thyristors phase control , circuits for lamp dimming, universal motor speed control ,and heat control. Type number is marked.

Maximum Ratings

- Operating Temperature: -40°C to +110°C
Storage Temperature: -40°C to +125°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, and Notes. Rows include Power dissipation, Repetitive Peak on-state Current, Breakover Voltage, Breakover Voltage Symmetry, Output Voltage, Breakover Current, Rise Time, and Leakage Current.

Table titled 'DIMENSIONS' with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows A, B, C, D provide specific dimension values.

- Note: 1. Lead in Glass Exemption Applied, see EU Directive Annex 5.
2. Electrical characteristics applicable in both forward and reverse directions.
3. Connected in parallel with the devices.

**RATINGS AND CHARACTERISTIC CURVES DB3/DC34/DB4/DB6**

DIAGRAM 1: Current-voltage characteristics

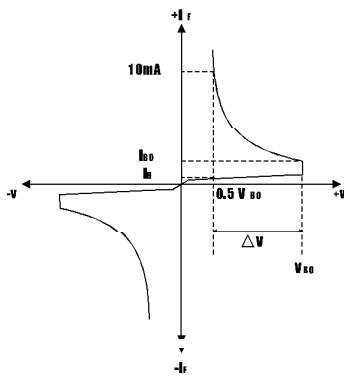


FIG.1-Power dissipation versus ambient temperature (maximum values)

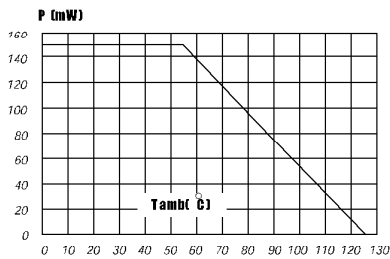


FIG.3-Peak pulse current versus pulse duration (maximum values)

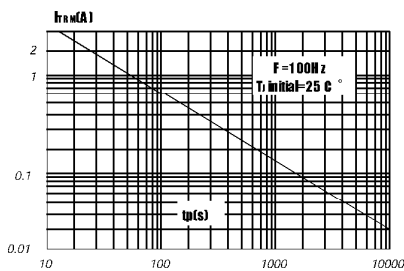


DIAGRAM 2: Test circuit for output voltage

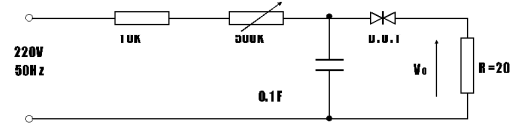


DIAGRAM 3: Test circuit see diagram2 adjust R for  $I=0.5A$

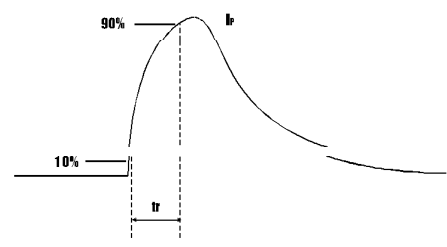
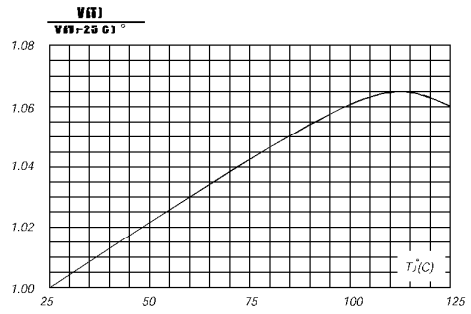


FIG.2-Relative variation of  $V_O$  versus junction temperature (typical values)





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## Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel; 10Kpcs/Reel
(Part Number)-AP	Ammo Packing;5Kpcs/AmmoBox
(Part Number)-BP	Bulk;500pcs/Bag

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