



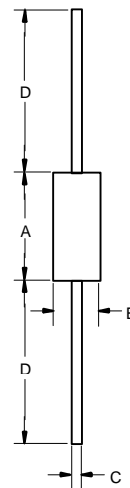
Micro Commercial Components

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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.
They demonstrate low breakover current at breakover voltage as they withstand peak pulse current, The breakover symmetry is within three volts(DB3,DC34,DB4) or four volts(DB6).
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.

NOTES:1.Electrical characteristics applicable in both forward and reverse directions.
2.Connected in parallel with the devices.

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

RATINGS AND CHARACTERISTIC CURVES DB3/DC34/DB4/DB6

DIAGRAM 1: Current-voltage characteristics

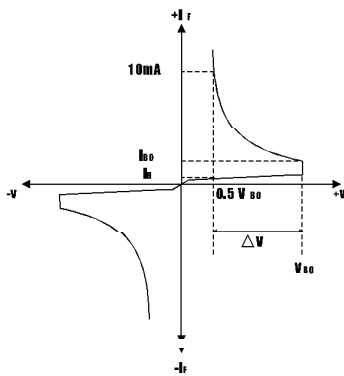


FIG.1-Power dissipation versus ambient temperature (maximum values)

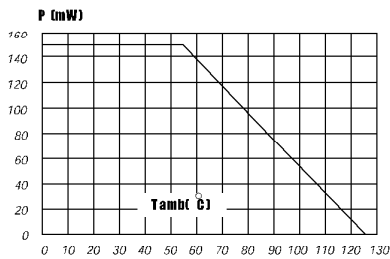


FIG.3-Peak pulse current versus pulse duration (maximum values)

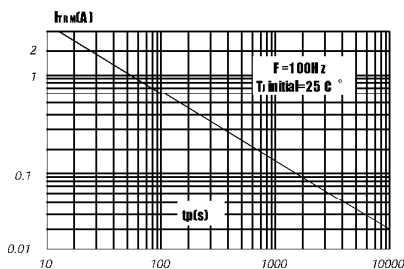


DIAGRAM 2: Test circuit for output voltage

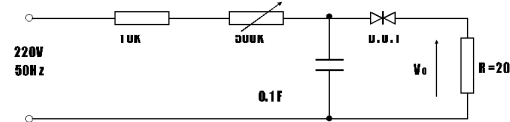


DIAGRAM 3: Test circuit see diagram2 adjust R for $I=0.5\text{A}$

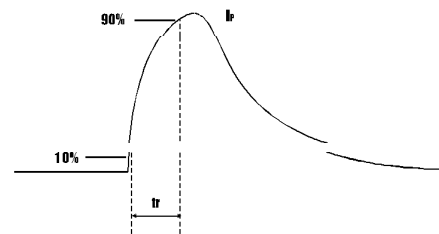
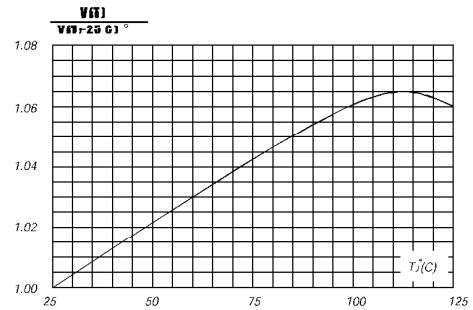


FIG.2-Relative variation of V_0 versus junction temperature (typical values)





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