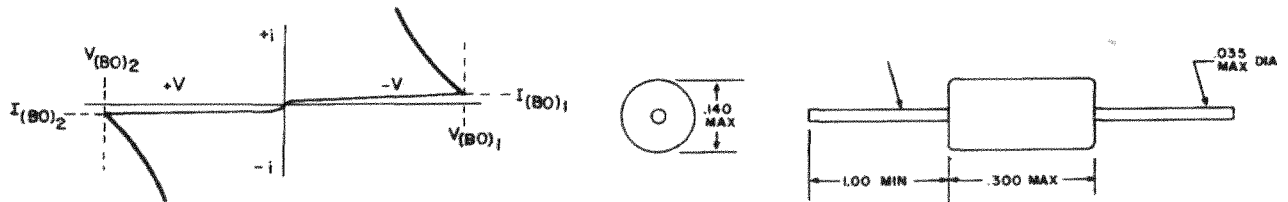


Diac

Silicon Bidirectional Trigger

ST2

VOLT - AMPERE CHARACTERISTICS

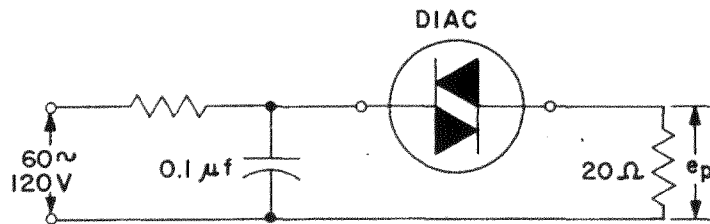


Storage Temperature T_{STG} -40°C to $+150^{\circ}\text{C}$
 Operating Temperature T_J -40°C to $+100^{\circ}\text{C}$

MAXIMUM RATINGS at 50°C Ambient

Peak Current (10 μsec duration, 120 cycle repetition rate) $I_p \pm 2$ Amperes Max.
 Peak Output Voltage* $e_p \pm 3$ Volts Min.

*CIRCUIT FOR PEAK OUTPUT VOLTAGE TEST



CHARACTERISTICS at 25°C Ambient

| Test | Symbols | Min. | Typ. | Max. | Units |
|-------------------------------------|-------------------------|------|------|------|-----------------|
| Breakover Voltage | $V(BR)_1$ and $V(BR)_2$ | 28 | 32 | 36 | Volts |
| Breakover Voltage Temp. Coefficient | | — | 0.1 | — | %/°C |
| Breakover Currents | $I(BR)_1$ and $I(BR)_2$ | — | — | 200 | μamp |
| Breakover Voltage Symmetry | $ V(BR)_1 - V(BR)_2 $ | — | — | 3.8 | Volts |