

TYPE G129 SILICON STABISTOR DIODE

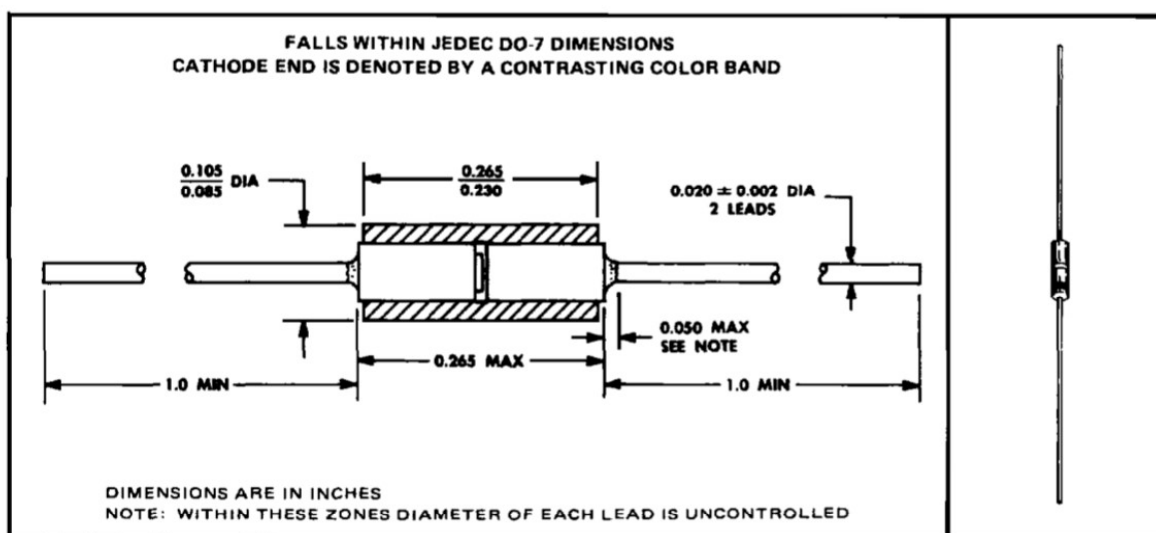
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FOR STABISTOR APPLICATIONS

- Meter Protectors
- Temperature Sensors
- Transistor Biasing
- Signal Limiters
- Voltage Stabilizers
- Logarithmic Attenuators

mechanical data

Double-plug construction affords integral positive contact by means of a thermal compression bond. Moisture-free stability is ensured through hermetic sealing. The coefficients of thermal expansion of the glass case and the dumet plugs are closely matched to allow extreme temperature excursions. Hot-solder-dipped leads are standard.



absolute maximum ratings at 25°C free-air temperature (unless otherwise noted)

Peak Reverse Voltage	10 V
Continuous Forward Current at (or below) 25°C Free-Air Temperature (See Note 1)	250 mA
Repetitive Peak Forward Current at (or below) 25°C Free-Air Temperature (See Note 2)	1 A
Peak Surge Current, One Second (See Note 3)	1.5 A
Storage Temperature Range	-65°C to 150°C

electrical characteristics at 25°C free-air temperature

PARAMETER	TEST CONDITIONS	MIN	MAX	UNIT
I_R Static Reverse Current	$V_R = 2 V$		0.1	μA
V_F Static Forward Voltage	$I_F = 1 mA$	500	610	mV
	$I_F = 100 mA$		1	V
r_f Small-Signal Forward Resistance	$I_F = 1 mA, f = 1 kHz$	60		Ω

- NOTES:
1. Derate linearly to 150°C free-air temperature at the rate of 2 mA/°C.
 2. This value applies for a 60-Hz sine wave.
 3. This value applies for a one-second square-wave pulse with the device at nonoperating thermal equilibrium immediately prior to the surge.