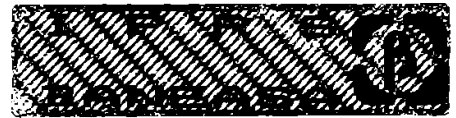


**LINEAR
INTEGRATED
CIRCUITS
- INDUSTRIAL -**



* **βM 135A**
 * **βM 335A**
 * **βM 335**
TEMPERATURE SENSORS

The βM 335 series are precision, calibrated chips. Operating as a two terminal zener diode, the βM 335 has a breakdown voltage directly proportional to absolute temperature of the junctions. Coefficient of this proportionality is 10 mV / oK.

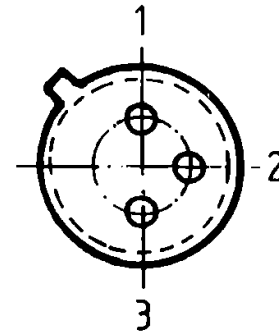
Within range of currents injected of 0.5 ... 5 mA the devices operate properly.

The βM 335 series has typically less than 1 oK nonlinearity errors over a 100 oC temperature range.

Features

- Operating temperature	βM 135A ...	-55 ... +125 oC
	βM 335; βM 335A ...	-10 ... +100 oC
- Reverse current		max. 10 mA
- Forward current		max. 10 mA
- Uncalibrated error (I=1mA).....	βM 135A ...	max. +/- 1 oC
	βM 335A ...	max. +/- 3 oC
	βM 335 ...	max. +/- 6 oC
- Nonlinearity (I=1mA) at T min < T amb < T max :		
	βM 135A ...	typ. +/- 0.5 oC
	βM 335; βM 335A ...	typ. +/- 1.5 oC

1. External adjustement
2. Anode (V+ or Vout)
3. Catode (electrically connected at the metal can)



PACKAGE TO-39 / BOTTOM VIEW

* Preliminary data