

2.5V REGULATOR/REFERENCE INTEGRATED CIRCUIT

Part Number 11-0005

description

This unit is a precision low-voltage regulator which may be used to furnish a +2.5 volt reference or to provide 27.5mw of well regulated power for low voltage sensitive circuits. The unique package uses only 1/10 square inch of mounting surface including leads, with a profile height of only .070". The package contains eight .005"x.015" leads at .20" minimum length with 50 microinches of gold over Kovar base metal.

features

- Very small package
- Low voltage
- 1mv regulation
- Low TCR

specifications

(+15V input at +25°C unless otherwise specified)

Output Voltage: +2.5 volts ± 75 mv.

Line Regulation: 1mv max. change for 4.5V to 5.5V input
2mv max. change for 4.5V to 7V input
5mv max. change for 7V to 30V input

Load Regulation: 10mv max. change for 1 to 11 ma load.

Quiescent Current: 2 ma max. (1 ma typ.).

Maximum Load Current: 11 ma at up to 18V input.

Operating Temp. Range: 0°C to +70°C.

Temperature Stability: 15 mv max. change from 0°C to +70°C.

Aging Stability: 25uv per month typ.

Size: .175" square by .070" high flat-pac with 8 leads.

other options available:

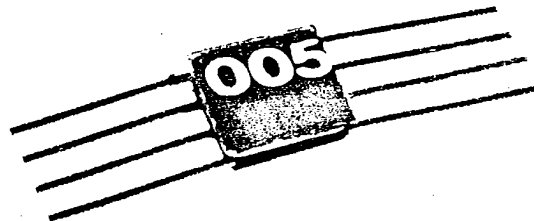
-55°C to +125°C operating temp. range.

Down to ± 25 mv output voltage tolerance.

Temperature coefficient down to 10PPM/°C.

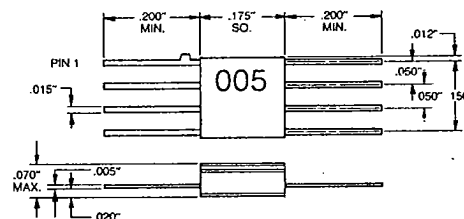
Line Regulation down to 1mv for 4.5V to 7V input
and 2mv for 7V to 30V input.

Other custom packaging such as chip carrier and multiple units in one flat-pac.



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ACTUAL SIZE

DIMENSIONS:



PRICES: Effective 4-1-80 (subject to change without notice)

1-24	\$8.20 ea.
25-99	6.45 ea.

DELIVERY: 1-4 WEEKS

Other regulators and IC devices are also available in .175" square and .250" square flat-pac packages. The company specializes in the custom packaging of conventional IC chips in small flat-pacs and chip carriers.

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