

DRAFT

Features

- **Guaranteed 20 ppm/°C Drift**
- **Guaranteed 40 ppm/°C Drift (SO-8 Package)**
- **20 μ A to 20mA Operation (1.2V)**
- Dynamic Impedance: 1 Ω
- 7V, 100 μ A Reference

Applications

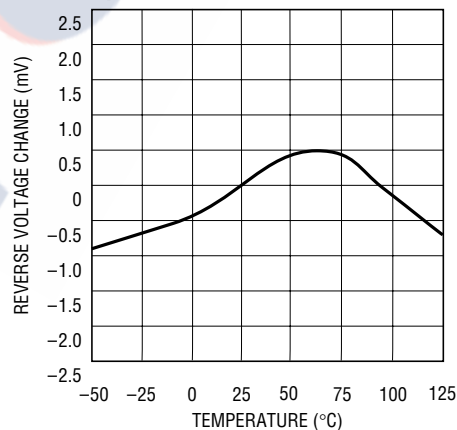
- Portable Meters
- Precision Regulators
- Calibrators

Description

The FT1034 is a micropower, precision 1.2V/2.5V reference combined with a 7V auxiliary reference. The 1.2V/2.5V reference is a trimmed, thin-film, band-gap, voltage reference with 1% initial tolerance and guaranteed 20ppm/°C temperature drift. Operating on only 20 μ A, the FT1034 offers guaranteed drift, low temperature cycling hysteresis and good long-term stability. The low dynamic impedance makes the FT1034 easy to use from unregulated supplies. The 7V reference is a subsurface zener device for less demanding applications.

The FT1034 reference can be used as a high performance upgrade of the FT385 or FT1004, where guaranteed temperature drift is desired.

Temperature Drift FT1034CS8-1.2

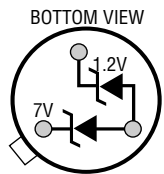


Absolute Maximum Ratings

Operating Current 20mA
 Forward Current..... 20mA
 Storage Temperature Range -65°C to 150°C
 Lead Temperature (Soldering, 10 sec)..... 300°C

Operating Temperature
 Commercial 0° to 70°C
 Industrial -40°C to 85°C
 Military..... -55°C to 125°C

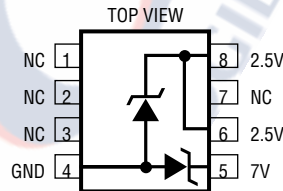
Package/Order Information



H PACKAGE
 3-LEAD TO-46 METAL CAN
 $T_{JMAX} = 150^{\circ}C$, $\theta_{JA} = 440^{\circ}C/W$,
 $\theta_{JC} = 80^{\circ}C/W$

ORDER PART NUMBER

- FT1034BCH-1.2
- FT1034BCH-2.5
- FT1034BMH-1.2
- FT1034BMH-2.5
- FT1034CH-1.2
- FT1034CH-2.5
- FT1034MH-1.2
- FT1034MH-2.5



S8 PACKAGE
 8-LEAD PLASTIC SO

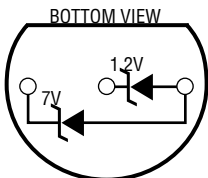
$T_{JMAX} = 175^{\circ}C$, $\theta_{JA} = 150^{\circ}C/W$

ORDER PART NUMBER

- FT1034CS8-1.2
- FT1034CS8-2.5
- FT1034IS8-1.2
- FT1034IS8-2.5

PART MARKING

- 3401
- 3402
- 1034I12
- 34I02



Z PACKAGE
 3-LEAD TO-92 PLASTIC
 $T_{JMAX} = 100^{\circ}C$, $\theta_{JA} = 160^{\circ}C/W$

ORDER PART NUMBER

- FT1034BCZ-1.2
- FT1034BCZ-2.5
- FT1034BIZ-1.2
- FT1034BIZ-2.5
- FT1034CZ-1.2
- FT1034CZ-2.5
- FT1034IZ-1.2
- FT1034IZ-2.5



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