FORCE TECHNOLOGIES LTD

FT1034-1.2/FT1034-2.5

Micropower Dual Reference

DRAFT

Features

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

Applications

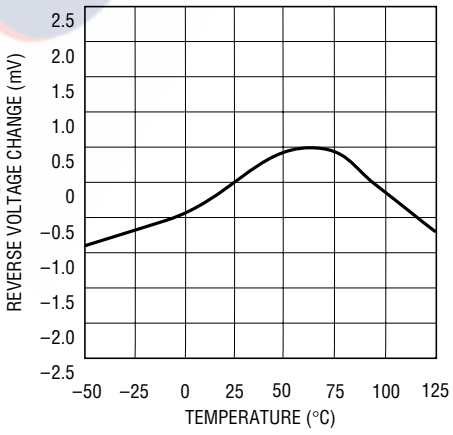
- Portable Meters
- Precision Regulators
- Calibrators

Description

The FT1034 is a micropower, precision 1.2V/2.5 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 20μA, 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

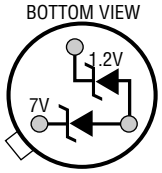


Absolute Maximum Ratings

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

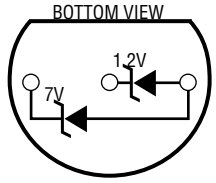
Package/Order Information



H PACKAGE
3-LEAD TO-46 METAL CAN

T_{JMAX} = 150°C, θ_{JA} = 440°C/W,
θ_{JC} = 80°C/W

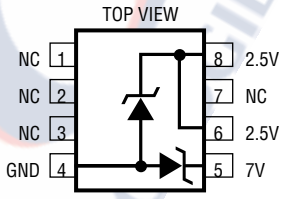
ORDER PART NUMBER
FT1034BCH-1.2
FT1034BCH-2.5
FT1034BMH-1.2
FT1034BMH-2.5
FT1034CH-1.2
FT1034CH-2.5
FT1034MH-1.2
FT1034MH-2.5



Z PACKAGE
3-LEAD TO-92 PLASTIC

T_{JMAX} = 100°C, θ_{JA} = 160°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



S8 PACKAGE
8-LEAD PLASTIC SO

T_{JMAX} = 175°C, θ_{JA} = 150°C/W

ORDER PART NUMBER
FT1034CS8-1.2
FT1034CS8-2.5
FT1034IS8-1.2
FT1034IS8-2.5

PART MARKING
3401
3402
1034I12
34I02

Ashley Crt, Henley,
Marlborough, Wilts, SN8 3RH UK
Tel: +44(0)1264 731200
Fax:+44(0)1264 731444
E-mail
info@forcetechnologies.co.uk
tech@forcetechnologies.co.uk
sales@forcetechnologies.co.uk

www.forcetechnologies.co.uk

Click here to request the full data sheet