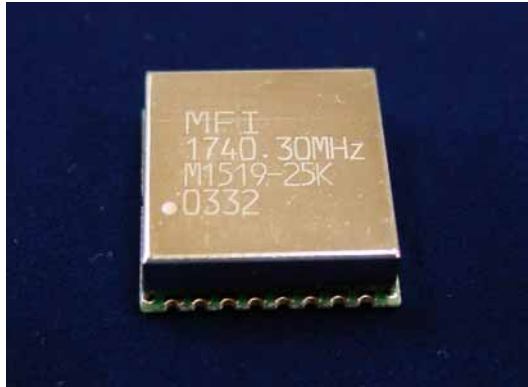


PHOTO



PRODUCT

SMD-PLL QUARTZ STABILIZED OSCILLATOR / 5.0 VDC

DESCRIPTION

Series M1519 is a highly stable PLL signal source with internal ROM (PLL Driving Program) or TCXO. With the built-in TCXO a frequency stability of ± 2.5 ppm is possible.

Other versions with built-in SMD-Clock-Oscillator for frequency stabilities in the range of $\pm 15 \sim \pm 100$ ppm are also available.

It is supposed to give design simplification benefits to the design engineers by reducing the design time, costs and board space.

FEATURES

- RF Frequency range between 600.0 MHz ~ 2.5 GHz
- SMT package
- Internal crystal reference clock (XO and TCXO)
- High reliability for low cost
- 5.0 VDC supply voltage
- 19 x 19 x 6 mm package dimension
- A lot of different functions are integrated in low volume

APPLICATIONS

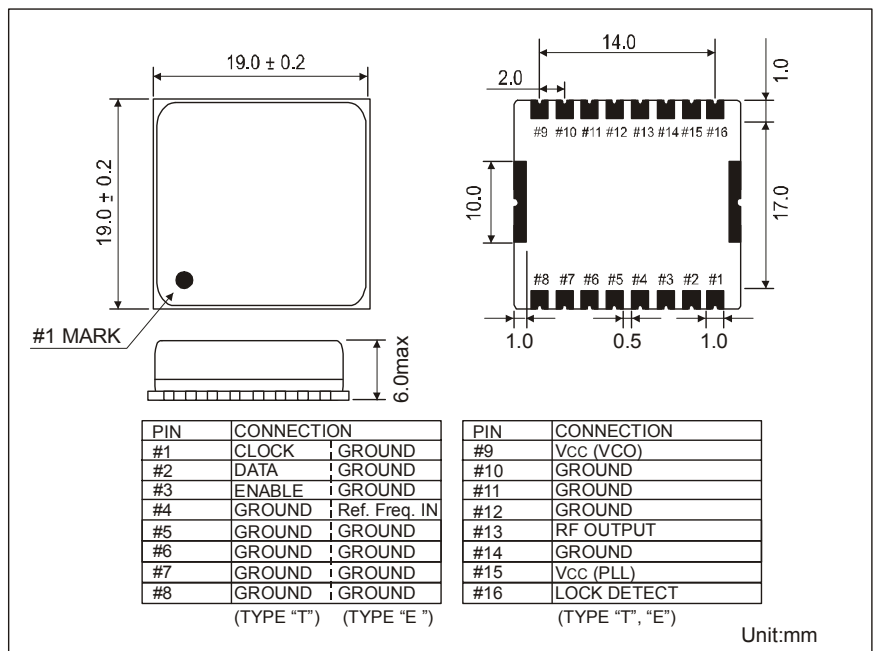
- Mobile Telephone and portable telephone
- Wireless LAN
- SONET / SDH / ATM
- Wireless CCTV
- etc.

SPECIFICATIONS

Frequency range:	600.0 MHz ~ 2.5 GHz
Frequency stability:	+/-2.5 ppm max.
Output power:	0 dBm +/-3 dBm
Supply voltage:	+5.0 VDC +/-5%
Input current:	100 mA max.
2'nd harmonics :	-15 dBc max.
Operating temperature range:	-30/+80°C
Storage temperature range:	-40/+125°C
Phase noise (typ.)	-90 dBc/Hz @ 10 kHz offset -110 dBc/Hz @ 100 kHz offset

OTHER PARAMETERS ARE AVAILABLE ON REQUEST

OUTLINE DRAWING



MARKING

Line 1:	MFI	MFI
Line 2:	M1519-T25K	M1519-EXK
Line 3:	Frequency	Frequency
Line 4:	Date Code	Date Code
	(Type "T")	(Type "E")

BLOCK DIAGRAM

