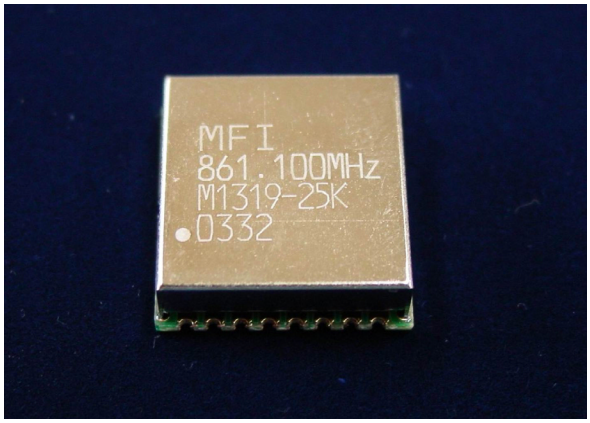
PHOTO



PRODUCT

SMD-PLL QUARTZ STABILIZED OSCILLATOR / 3.0 VDC

DESCRIPTION

Series M1319 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 +-15 ~ +-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
- 3.0 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.

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PETERMANN TECHNIK

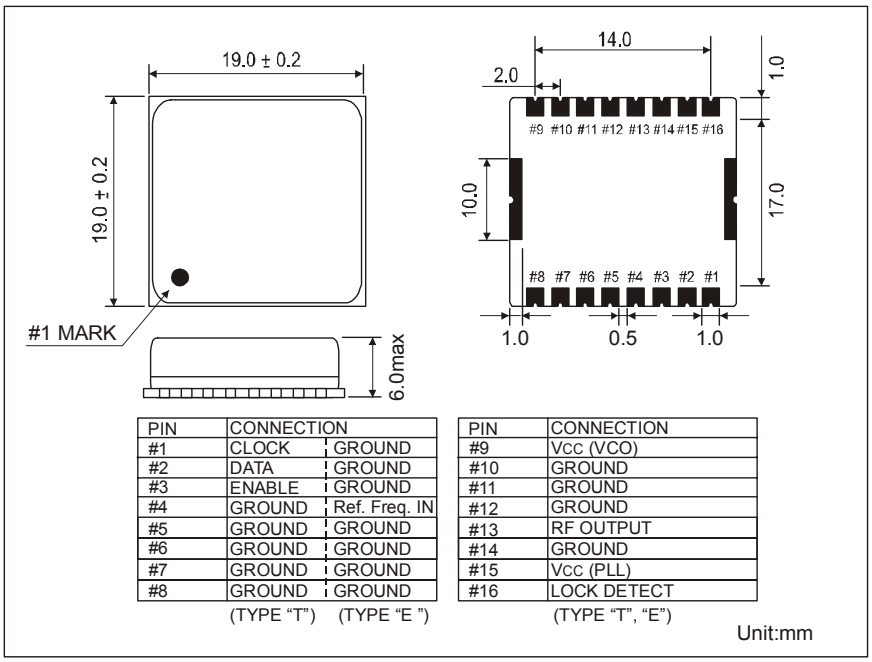
Time & Frequency Components

SPECIFICATIONS

Frequency range:	600.0 MHz ~ 2.5 GHz
Frequency stability:	+-2.5 ppm max.
Output power:	0 dBm +-3 dBm
Supply voltage:	+3.0 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



PIN	CONNECTION	
#1	CLOCK	GROUND
#2	DATA	GROUND
#3	ENABLE	GROUND
#4	GROUND	Ref. Freq. IN
#5	GROUND	GROUND
#6	GROUND	GROUND
#7	GROUND	GROUND
#8	GROUND	GROUND

(TYPE "T") (TYPE "E ")

PIN	CONNECTION
#9	Vcc (VCO)
#10	GROUND
#11	GROUND
#12	GROUND
#13	RF OUTPUT
#14	GROUND
#15	Vcc (PLL)
#16	LOCK DETECT

(TYPE "T", "E")

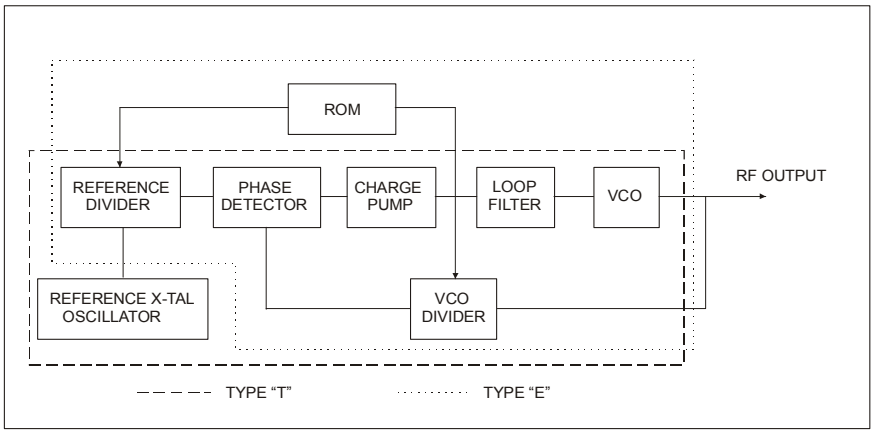
Unit:mm

MARKING

Line 1:	MFI	MFI
Line 2:	M1319-T25K	M1319-EXK
Line 3:	Frequency	Frequency
Line 4:	Date Code	Date Code
	(Type "T")	(Type "E")

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BLOCK DIAGRAM



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