

**TCXO
MINIATURE SIZE LOW PROFILE**

TG-5010LH

- Frequency range : 10 MHz to 38.4 MHz
- Supply voltage : 2.8 V Typ.
- Applications : Cellular phone(GSM,CDMA,WCDMA)
- Lead(Pb)-free : Lead free completely



Actual size



Specifications (characteristics)

Item	Symbol	Specifications		Remarks
		VC-TCXO	TCXO	
Output frequency	f ₀	10 MHz to 38.4 MHz 13 MHz, 19.2 MHz, 26 MHz		Standard frequency
Supply voltage	V _{cc}	2.8 V±0.14 V		
Temperature range	Storage temperature	-40 °C to +85 °C		Stored as bare product after unpacking
	Operating temperature	-30 °C to +85 °C		
Frequency tolerance	F _{tol(osc)}	±2.5 × 10 ⁻⁶ Max.		After reflow, V _c =1.4 V, +25 °C
Frequency / temperature coefficient	Fo-Tc	±2.0 × 10 ⁻⁶ Max.		-30 °C to +85 °C
Frequency / load coefficient	Fo-Load	±0.2 × 10 ⁻⁶ Max.		10 kΩ // 10 pF ±10 %
Frequency / voltage coefficient	Fo-V _{cc}	±0.2 × 10 ⁻⁶ Max.		2.8 V ± 0.14 V
Frequency aging	F _{aging}	±1.0 × 10 ⁻⁶ Max.		+25 °C, First year
Current consumption	I _{cc}	1.5 mA Max.		19.2 MHz, V _{cc} =2.8 V, 10 kΩ// 10 pF
Input resistance	R _{in}	500 kΩ Min.	—	V _c - GND (DC), V _c =1.4 V
Frequency control range	F _{cont}	±5.0 × 10 ⁻⁶ to ±12.0 × 10 ⁻⁶		V _c =1.4 V ±1.0 V
Frequency change polarity	—	Positive polarity		—
Symmetry	SYM	40 % to 60 %		GND level (DC cut)
Output level	V _{pp}	0.8 V Min.		Peak to peak
Load resistance	Load_R	10 kΩ		DC cut capacitor = 0.01 μF
Load capacitance	Load_C	10 pF		

Note:Please contact us for inquiries about specifications other than the above.

External dimensions

(Unit:mm)

Footprint (Recommended)

(Unit:mm)

