



TCXO MINIATURE SIZE LOW PROFILE

TG-5010LH

- Frequency range : 10 MHz to 40 MHz
- Supply voltage : 2.8 V Typ.
- Frequency / temperature characteristics : $\pm 2 \times 10^{-6}$ Max.
- External dimensions : $3.3 \times 2.5 \times 0.96$ t (mm) Typ.
- Applications : Cellular phone(GSM,CDMA,WCDMA)
- Features : Miniature size (J-Lead type)
: Low current consumption



Product Number (Please contact us)
Q3716LH01xxxx00



Actual size



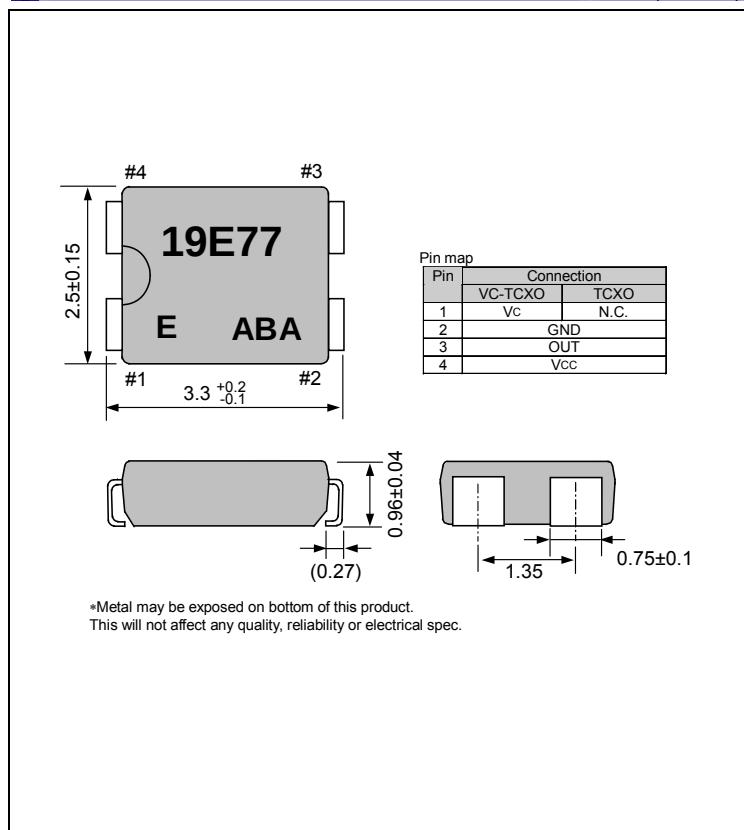
Specifications (characteristics)

Item		Symbol	Specifications		Remarks
			VC-TCXO	TCXO	
Output frequency		f ₀	10.000 MHz to 40.000 MHz		Standard frequency
			13 MHz, 19.2 MHz, 26 MHz,27.456 MHz		
Supply voltage		V _{CC}	2.8 V±0.14 V		Supply voltage range :2.3 V to 3.6 V
Temperature range	Storage temperature	T _{stg}	-40 °C to +85 °C		Store as bare product after unpacking
	Operating temperature	T _{use}	-30 °C to +85 °C		
Frequency tolerance		f _{tol}	±2.0 ×10 ⁻⁶ Max.		After reflow, V _C =1.4 V, +25 °C
Frequency / temperature characteristics		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-VCC	±0.2 ×10 ⁻⁶ Max.		2.8 V ± 0.14 V
Frequency aging		f _{age}	±1.0 ×10 ⁻⁶ Max.		+25 °C, First year
Current consumption		I _{CC}	2.0 mA Max.		V _{CC} =2.8 V, 10 kΩ// 10 pF
Input resistance		R _{in}	500 kΩ Min.	—	V _C - GND (DC)
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 voltage		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)

