

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



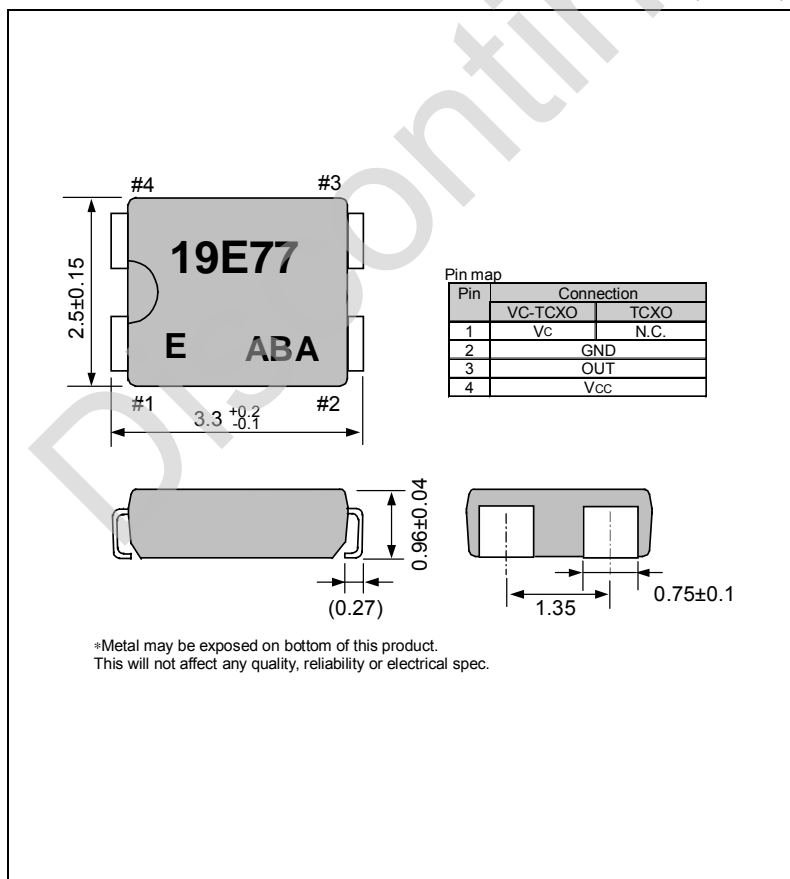
Specifications (characteristics)

Item	Symbol	Specifications		Remarks
		VC-TCXO	TCXO	
Output frequency	f_o	10.000 MHz to 40.000 MHz 13 MHz, 19.2 MHz, 26 MHz, 27.456 MHz		Standard frequency
Supply voltage	V _{cc}	2.8 V \pm 0.14 V		Supply voltage range : 2.3 V to 3.6 V
Temperature range	Storage temperature	-40 °C to +85 °C		Store as bare product after unpacking
	Operating temperature	-30 °C to +85 °C		
Frequency tolerance	f _{tol}	$\pm 2.0 \times 10^{-6}$ Max.		After reflow, V _c =1.4 V, +25 °C
Frequency / temperature characteristics	f _o -T _c	$\pm 2.0 \times 10^{-6}$ Max.		-30 °C to +85 °C
Frequency / load coefficient	f _o -Load	$\pm 0.2 \times 10^{-6}$ Max.		10 k Ω // 10 pF \pm 10 %
Frequency / voltage coefficient	f _o -V _{cc}	$\pm 0.2 \times 10^{-6}$ Max.		2.8 V \pm 0.14 V
Frequency aging	f _{age}	$\pm 1.0 \times 10^{-6}$ Max.		+25 °C, First year
Current consumption	I _{cc}	2.0 mA Max.		V _{cc} =2.8 V, 10 k Ω // 10 pF
Input resistance	R _{in}	500 k Ω Min.		— V _c - GND (DC)
Frequency control range	f _{cont}	$\pm 5.0 \times 10^{-6}$ to $\pm 12.0 \times 10^{-6}$		— V _c =1.4 V \pm 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 k Ω		DC cut capacitor = 0.01 μ F
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)

