

Product Data (OCXO)

TCO-613A, 615 Series

Features

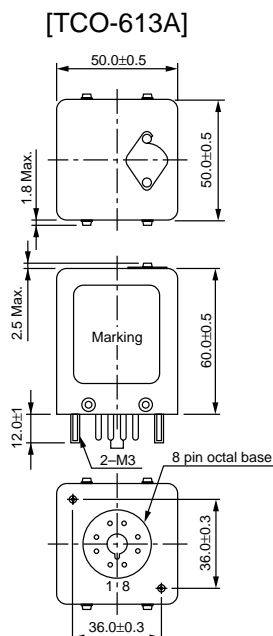
- Excellent aging characteristics
- Low SSB phase noise and excellent long and short term stability
- Using 5th overtone crystal unit and oscillation circuit with AGC attached



Specifications

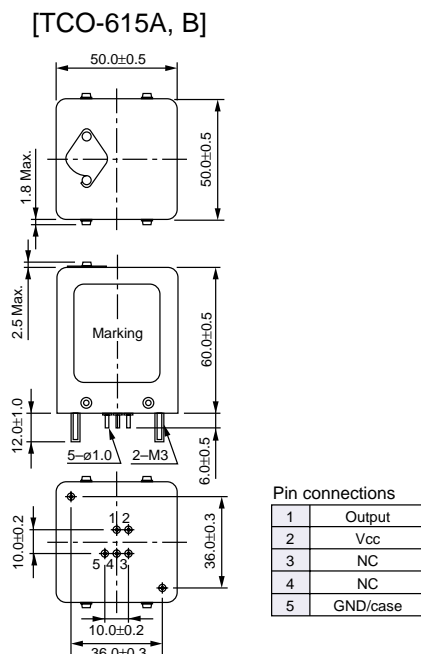
TYPE	TCO-613A	TCO-615A	TCO-615B
Standard frequency	5 MHz	5 MHz, 10 MHz	5 MHz
Supply voltage	+12.0 V±10 %		
Frequency stability	vs Temperature $\pm 1 \times 10^{-8}$ Max / -10~+60°C (referred to +25 °C)		$\pm 5 \times 10^{-9}$ Max / -10~+60°C (referred to +25 °C)
	vs Supply voltage	$\pm 5 \times 10^{-9}$ Max / +12.0 V±5 %	$\pm 2 \times 10^{-9}$ Max / +12.0 V±5 %
	Aging	$\pm 2 \times 10^{-9}$ / day $\pm 5 \times 10^{-8}$ / year	$\pm 5 \times 10^{-10}$ / day $\pm 2 \times 10^{-8}$ / year
Warm-up	$\pm 2 \times 10^{-8}$ / within 30 minutes	$\pm 5 \times 10^{-8}$ / within 30 minutes	
Output	2 Vp-p/50 Ω (Sinewave)	TTL compatible (Fanout-2)	
Current drain(Warm-up)	400 mA Max	550 mA Max	
Current drain(Steady state at +25)	200 mA Max	300 mA Max	
Frequency adjustment	$\pm 1 \times 10^{-7}$ Min by internal trimmer		
Weight	200 g Max		
Available frequency range	5 ~ 7 MHz	5 ~ 10 MHz	—

Outline Drawing [mm]



Pin connections

1-3	NC
4	Output (hot)
5	Output (cold)
6	GND/case
7	Vcc
8	NC



Pin connections

1	Output
2	Vcc
3	NC
4	NC
5	GND/case