

Product Data (OCXO)

TCO-676, TCO-679, TCO-6810

Features

- Compact & low profile
- Low SSB phase noise
- Excellent long and short term stability

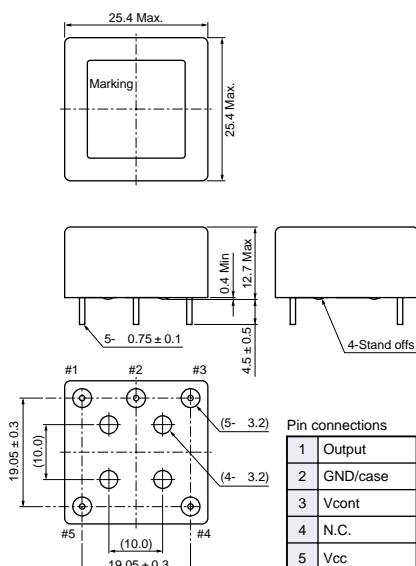


Specifications

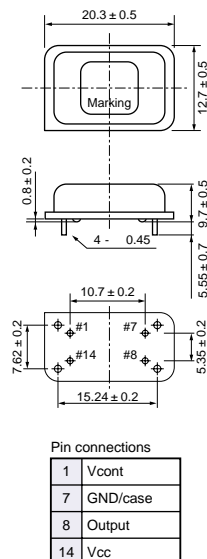
TYPE	TCO-676	TCO-679	TCO-6810	
Standard frequency	10 MHz	10 MHz, 13 MHz	10 MHz	
Supply voltage	+12.0 V±5 %, +5.0 V±5 %			
Frequency stability	vs Temperature	$\pm 1 \times 10^{-8}$ Max / -10 ~ +70°C (referred to +25 °C)	$\pm 1 \times 10^{-7}$ Max / 0 ~ +70°C (referred to +25 °C)	$\pm 1 \times 10^{-8}$ Max / -10 ~ +70°C (referred to +25 °C)
	vs Supply voltage	$\pm 5 \times 10^{-9}$ Max / +12.0 V±5 % $\pm 5 \times 10^{-9}$ Max / +5.0 V±5 %	$\pm 1 \times 10^{-7}$ Max / +12.0 V±5 % $\pm 1 \times 10^{-7}$ Max / +5.0 V±5 %	$\pm 5 \times 10^{-9}$ Max / +12.0 V±5 % $\pm 5 \times 10^{-9}$ Max / +5.0 V±5 %
	Aging	$\pm 2 \times 10^{-8}$ / day $\pm 1 \times 10^{-7}$ / year	$\pm 5 \times 10^{-8}$ / day $\pm 5 \times 10^{-7}$ / year	$\pm 2 \times 10^{-8}$ / day $\pm 1 \times 10^{-7}$ / year
Warm-up	$\pm 1 \times 10^{-7}$ / within 30 minutes	$\pm 5 \times 10^{-7}$ / within 1 minute	$\pm 1 \times 10^{-7}$ / within 1 minute	
Output	HCMOS			
Current drain(Warm-up)	300 mA Max (+12.0V) 700 mA Max (+5.0V)	160 mA Max (+12.0V) 380 mA Max (+5.0V)	300 mA Max (+12.0V) 700 mA Max (+5.0V)	
	130 mA Max (+12.0V) 300 mA Max (+5.0V)	70 mA Max (+12.0V) 160 mA Max (+5.0V)	130 mA Max (+12.0V) 300 mA Max (+5.0V)	
Frequency adjustment	$\pm 1 \times 10^{-6}$ Min	$\pm 5 \times 10^{-6}$ Min	$\pm 1 \times 10^{-6}$ Min	
Weight	20 g Max	10 g Max	40 g Max	
Available frequency range	10 ~ 20 MHz			

Outline Drawing [mm]

[TCO-676]



[TCO-679]



[TCO-6810]

