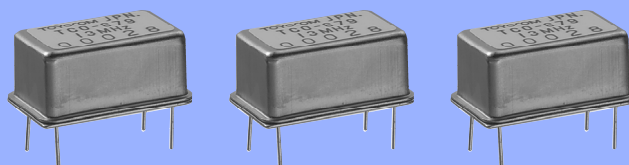


Oven Controlled Crystal Oscillator (OCXO)

TCO-679

- Features : DIP-14pin package
: Very fast warm-up
: SC-Cut Crystal unit
- Lead(Pb)-free : Contains Pb in this product exempted by RoHS directive.

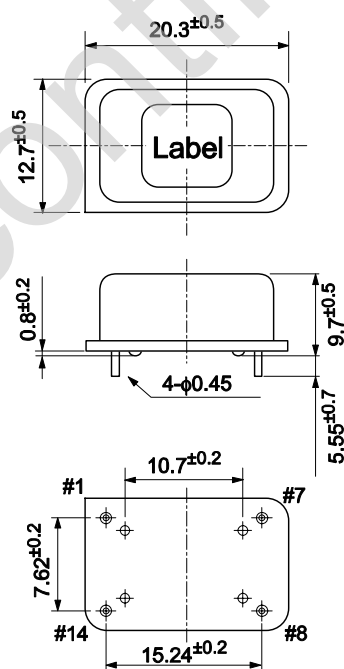


Specifications (characteristics)

Item		Symbol	Specifications	
Output frequency range		f _o	10 MHz to 20 MHz	
Standard frequency			10 MHz, 13 MHz	
Supply voltage		V _{cc}	5 V ±0.25 V	12 V ±0.6 V
Storage temperature range		T _{stg}	-20 °C to +80 °C	
Operating temperature range		T _{use}	0 °C to +70 °C	
Frequency/temperature coefficient		Fo-Tc	±1 × 10 ⁻⁷ Max. / 0 °C to +70 °C	
Frequency/voltage coefficient		Fo-Vcc	±1 × 10 ⁻⁷ Max. / Vcc=5 V ±0.25 V	±1 × 10 ⁻⁷ Max. / Vcc=12 V ±0.6 V
Frequency aging		F _{aging}	±5 × 10 ⁻⁸ / day Max., ±5 × 10 ⁻⁷ / year Max.	
Warm-up		—	±5 × 10 ⁻⁷ / 5 min Max. (+25 °C)	
Output load condition		Load _R	10 kΩ	
		Load _C	15 pF Max.	
Current consumption	Warm-up	I _{cc}	380 mA Max.	160 mA Max.
	Steady state at +25 °C		160 mA Max.	70 mA Max.
Frequency control range		Fcont	±5 × 10 ⁻⁶ Min. / Vc=2.5 V ±2.5 V	±5 × 10 ⁻⁶ Min. / Vc=4.5 V ±4.5 V
Weight		—	10 g Max.	

External dimensions

(Unit:mm)



Pin map

#1	V _c
#7	GND/case
#8	Output
#14	V _{cc}