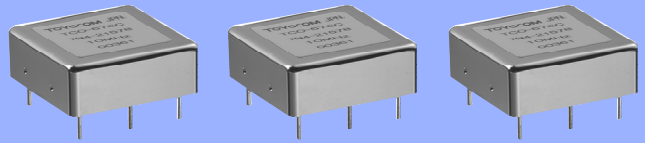


Oven Controlled Crystal Oscillator (OCXO)

TCO-676

- Features : Compact and low profile
- : Very fast warm-up
- : SC-Cut Crystal unit
- Lead(Pb)-free : Contains Pb in this product exempted by RoHS directive.

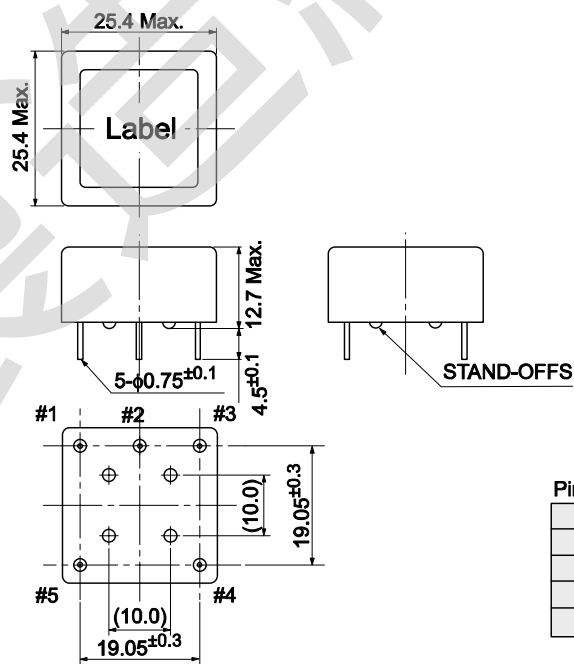


Specifications (characteristics)

Item	Symbol	Specifications			
Output frequency range	f _o	10 MHz to 20 MHz			
Standard frequency		10 MHz			
Supply voltage	V _{cc}	3.3 V ±0.165 V	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}	-10 °C to +70 °C			
Frequency/temperature coefficient	Fo-Tc	±2 × 10 ⁻⁸ Max. / -10 °C to +70 °C			
Frequency/voltage coefficient	Fo-Vcc	±5 × 10 ⁻⁹ Max. V _{cc} =3.3 V ±0.165 V	±5 × 10 ⁻⁹ Max. V _{cc} =5 V ±0.25 V	±5 × 10 ⁻⁹ Max. V _{cc} =12 V ±0.6 V	
Frequency aging	F _{aging}	±1 × 10 ⁻⁸ / day Max., ±1 × 10 ⁻⁷ / year Max.			
Warm-up	—	±5 × 10 ⁻⁸ / 5 min Max. (+25 °C)			
Output load condition	Load_R	10 kΩ			
	Load_C	15 pF Max.			
Current consumption	I _{cc}	Warm-up	1150 mA Max.	700 mA Max.	300 mA Max.
		Steady state at +25 °C	650 mA Max.	300 mA Max.	130 mA Max.
Frequency control range	F _{cont}	±1 × 10 ⁻⁶ Min. V _c =1.65 V ±1.65 V	±1 × 10 ⁻⁶ Min. V _c =2.5 V ±2.5 V		
Weight	—	20 g Max.			

External dimensions

(Unit:mm)



Pin map

Pin	Function
#1	Output
#2	GND/case
#3	V _c
#4	N.C.
#5	V _{cc}