



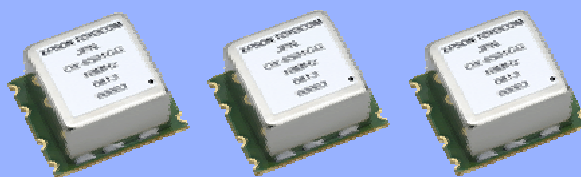
Oven Controlled Crystal Oscillator (OCXO)

OX - 6501GG series

- Features : Low profile full SMD package
- : Very fast warm-up and accurate stability
- : IPC/JEDEC J-STD-020C reflowable
- : SC-Cut Crystal unit



Product number (please contact us)



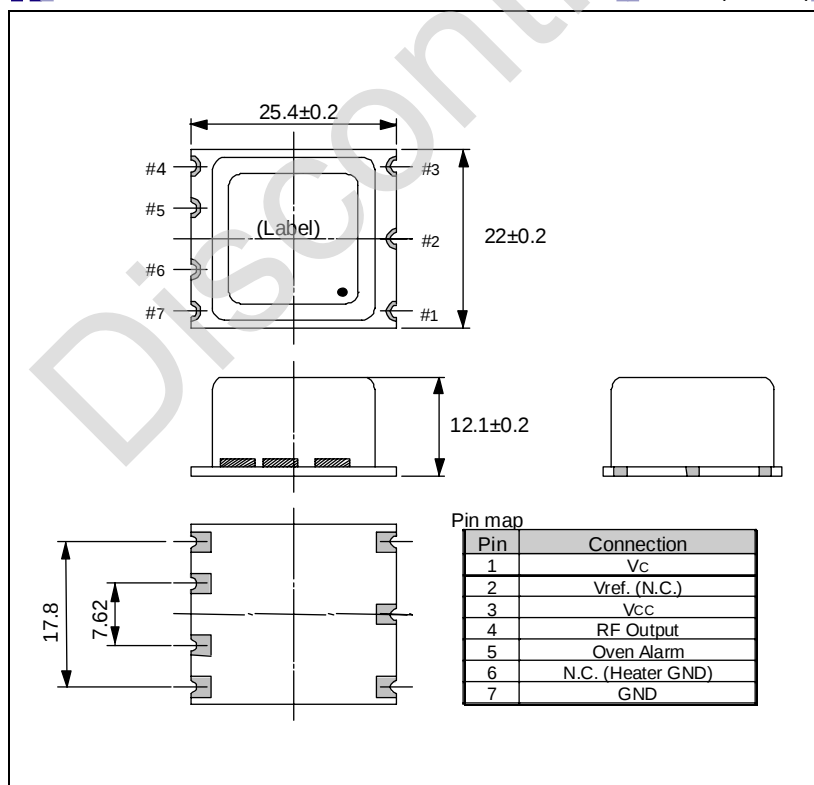
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Specifications (characteristics)

Item		Symbol	Specifications		
Output frequency range		fo	10.000 MHz to 40.000 MHz		Standard frequency
			10 MHz, 30.72 MHz		
Supply voltage		Vcc	3.3 V ±0.165 V	5.0 V ±0.25 V	
Storage temperature range		T_stg	-40 °C to +85 °C		During transportation only. Long term storage : Room temperature.
Operating temperature range		T_use	-10 °C to +70 °C		
Frequency/temperature characteristics		fo-Tc	±2.5 × 10 ⁻⁸ Max.		-10 °C to +70 °C
Frequency/voltage coefficient		fo-Vcc	±5 × 10 ⁻⁹ Max. OP.:±2 × 10 ⁻⁹ Max.		Vcc=3.3 V ±0.165 V Vcc=5.0 V ±0.25 V
Frequency aging		f_age	±1 × 10 ⁻⁸ / dayMax. OP.: ±1 × 10 ⁻⁹ / dayMax. ±1 × 10 ⁻⁷ / year Max. OP.:±3 × 10 ⁻⁸ / year Max.		
Warm-up		—	±5 × 10 ⁻⁸ / 5 min Max.		+25 °C
Current consumption	Warm-up	Icc	750 mA Max.	600 mA Max.	at +25 °C
	Steady state		300 mA Max.	200 mA Max.	
Frequency control range		f_cont	±1 × 10 ⁻⁶ Min.		Vc=1.4 V±1.4 V, Vc=2.0 V±2.0 V
Symmetry		SYM	45 % to 55 %		(VOH –VOL)/2
High output voltage		VOH	2.4 V Min.	2.8 V Min.	CMOS
Low output voltage		VOL	0.4 V Max.	0.4 V Max.	
Load resistance		Load_R	10 kΩ		
Load capacitance		Load_C	15 pF		
Weight		—	10 g Max.		

External dimensions

(Unit:mm)



Footprint (Recommended)

(Unit:mm)

