

2X | 20.3 × 12.7 × 11 mm

OCXO  
Oven Controlled Crystal Oscillator

### Features

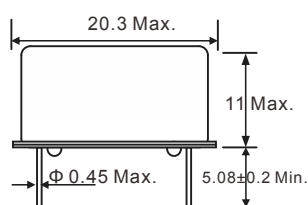
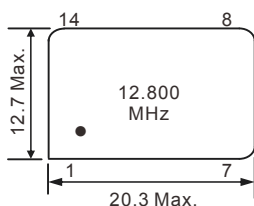
- Full size 4 pin DIP full metal package
- Frequency range from 5MHz to 40MHz
- Supply voltage: 3.3V / 5.0V
- Stratum 3 (Overall ±4.6ppm including 20 year aging)
- Low phase noise
- Applications: *Base Station, Synthesizer, Digital Switch, Measuring Equipment, etc*
- RoHS Compliant & Pb Free



### Standard Specifications

Type		2X Series DIP-14 OCXO
Output Type		HCMOS
Output Load		15pF, or specify
Output Wave Form		Rectangular
Frequency Range		5~40MHz
Supply Voltage		3.3V/5.0V
Operating Temperature		-30~+70°C, or specify
Frequency Stability	Tolerance	±0.1ppm
	vs Temperature	±50ppb~±200ppb
	vs Supply Voltage	±50ppb Max.
	vs Aging	±5.0ppb/Days, ±0.5ppm/Year, ±3.0ppm/10 Years Max.
Voltage Vol(Max.) / Voh (Min.)		0.1Vcc/0.9Vcc Max.
Duty Cycle		45~55%
Spurious		-60dBC Max.
Warm-up		±0.1ppm (In 5 minutes @25°C, referenced to 1 hour)
Power Consumption (Steady state)		0.8W Max.
Frequency Adjustment Range		±5ppm (+1.65±1.65V/+2.5±2.5V)
Phase Noise @20MHz	@10Hz	-105dBc/Hz Typ.
	@100Hz	-130dBc/Hz Typ.
	@1KHz	-140dBc/Hz Typ.
	@10KHz	-150dBc/Hz Typ.

### Dimensions [mm]



### Pin Connections

Pin No.	Connection
1	Vco Input / NC
7	0 Volts & Case
8	R.F. Output
14	Vdd

