



Crystal Oscillators > 4 to 30 MHz > **Compatible OCXO**

**Features:**

- Low Phase Noise
- Two Standard Euro Packages
- Internal Voltage Regulator

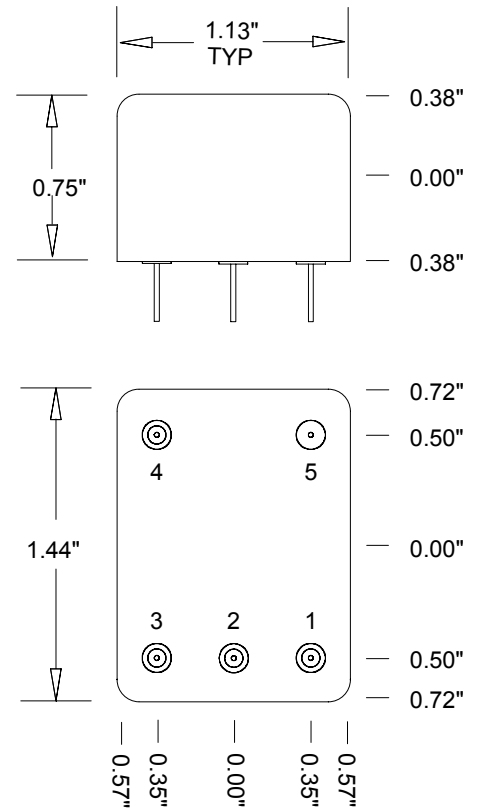
**Applications:**

- Test Equipment
- Synthesizers
- Base Stations



The Compatible series provides low phase noise in two standard Euro packages. Available with temperature stability from  $\pm 3 \times 10^{-7}$  to  $\pm 1 \times 10^{-8}$  over various ranges, these oscillators offer instrument designers a common footprint for various customer requirements. SC-cut crystals offer excellent "close-in" phase noise. The unit has an internal voltage regulator, which provides excellent line rejection. Please consult factory if you need any specifications to be modified to better suit your application.

Typical Specifications:							
Frequency (Specify)		4 to 30 MHz					
Frequency		10		20		MHz	
Output Level		+13				dBm	
Aging		Per day after 30 days operating, typical				$\pm 2 \times 10^{-10}$	
Phase Noise		10 Hz	-120	-130	-115	-125	dBc/Hz
		100 Hz	-140	-145	-135	-140	dBc/Hz
		1 kHz	-155	-165	-160	-165	dBc/Hz
Temperature Stability (Specify)							
Range A	0 to +50C	$\pm 1 \times 10^{-8}$	$\pm 5 \times 10^{-9}$	$\pm 5 \times 10^{-8}$	$\pm 1 \times 10^{-8}$		
Range B	0 to +65C	$\pm 1 \times 10^{-8}$	$\pm 5 \times 10^{-9}$	$\pm 5 \times 10^{-8}$	$\pm 1 \times 10^{-8}$		
Range C	0 to +70C	$\pm 1 \times 10^{-8}$	$\pm 5 \times 10^{-9}$	$\pm 5 \times 10^{-8}$	$\pm 1 \times 10^{-8}$		
Range D	-20 to +70C	$\pm 1 \times 10^{-8}$	$\pm 5 \times 10^{-9}$	$\pm 5 \times 10^{-8}$	$\pm 1 \times 10^{-8}$		
Range E	-40 to +70C	$\pm 5 \times 10^{-8}$	$\pm 2 \times 10^{-8}$	$\pm 1 \times 10^{-7}$	$\pm 5 \times 10^{-8}$		
Range F	-55 to +85C	$\pm 5 \times 10^{-8}$	$\pm 2 \times 10^{-8}$	$\pm 1 \times 10^{-7}$	$\pm 5 \times 10^{-8}$		
Spurious						-80	dBc
Harmonics						-30	dBc
Electrical Tuning Range (Specify)						$\pm 2 \times 10^{-7}$ to $\pm 2 \times 10^{-6}$	
Tuning A	0 to +10 VDC						
Tuning B	$\pm 5$ VDC						
Supply Voltage (Specify)						+12 or +15	VDC
Warm-up Power						<5	Watts
Total Power typical						<2.7	Watts
Crystal Type						SC	
Dimensions						51 x 41 x 25	mm
						2 x 1.62 x .98	inches
Connectors						Solder pins on base	



Pin	Function
1	Electrical Tuning
2	Reference Voltage
3	+VCC
4	RF Output
5	RF Return, Ground