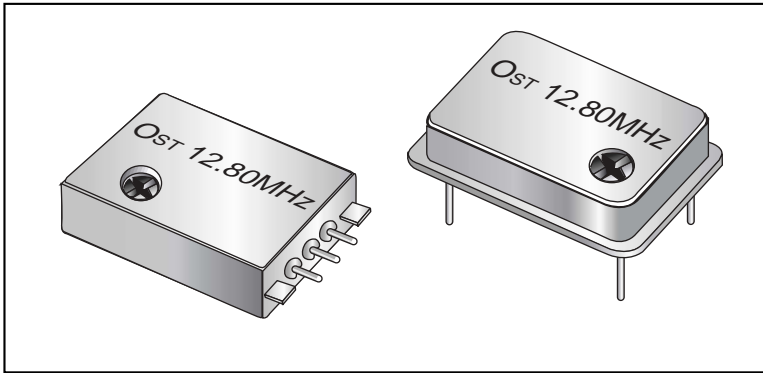


**TEMPERATURE COMPENSATED CRYSTAL OSCILLATOR (TCXO)**


- Excellent frequency stability and aging
- Ultra miniature package suitable for portable products

**ELECTRICAL SPECIFICATIONS**

Frequency Range		MHz	8~40					
Standard Frequency		MHz	12.800	12.800	9.600	20.000	15.630	12.800
Frequency Stability	VS. Temperature	ppm	±2.5 Max	±3.0 Max	±2.5 Max	±1.0 Max	±2.5 Max	±2.5 Max
	VS. Supply Voltage	ppm	±0.2 Max	±0.5 Max	±0.3 Max	±0.3 Max	±0.5 Max	±0.3 Max
	VS. Aging/Year	ppm	±1.0 Max	±1.0 Max	±1.0 Max	±1.0 Max	±1.0 Max	±1.0 Max
Temperature Range	Operating	°C	0~+55	-10~+60	-30~+75	0~+50	-15~+55	0~+55
	Storage	°C	-20~+70		-40~+85	-20~+70	-20~+70	-20~+70
Power Supply Voltage		V <sub>DC</sub>	3.0 to 5.0 ±5%	+5.0 ±5%			+4.0 ±5%	+3.0 ±5%
Current Consumption		mA	2 Max	3 Max	2 Max	20 Max	2 Max	2 Max
Output	Load		10KΩ/10pF	10KΩ/10pF	20KΩ/5pF	15pF	10KΩ/15pF	10KΩ/10pF
	Voltage	V	1.0 at V <sub>CC</sub> =5V 0.75 at V <sub>CC</sub> =3V	1Vp-P Min	1Vp-P Min	V <sub>OL</sub> =0.5 Max V <sub>OH</sub> =4.5 Min	1Vp-P Min	0.7 Vp-P Min
	Symmetry	%	Clipped Sine	Clipped Sine	Clipped Sine	40~60 at 1/2V <sub>DD</sub>	Clipped Sine	Clipped Sine
	Waveform		Sine	Sine	Sine	Square	Sine	Sine
Frequency Adjustment-Trimmer		ppm	±3.0 Min	±3.0 Min	±3.0 Min	±5.0 Min	±3.0 Min	±3.0 Min

**DIMENSIONS**
