

TCXO SMD TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS

FOX759 Discontinued

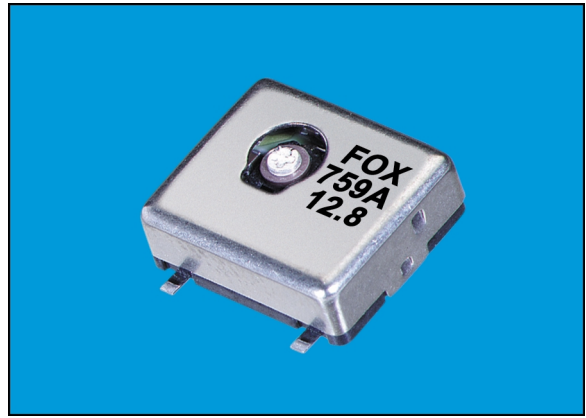
The FOX759 provide a small 0.4 cm³ volume and an extended temperature range. With an optional 3.0V supply voltage, this part is exceptional for portable transmission and communication equipment.

FEATURES

- Miniature Size
- Tight Stability
- Wide Temperature Range
- 3V Supply Voltage - B Version
- VCTCXO - E Version 5V
- VCTCXO - BE Version 3V

APPLICATIONS

- Cellular Phones
- Cordless Phones
- Communications Equipment
- Portable Instrumentation
- Aerospace



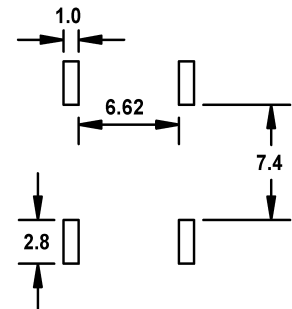
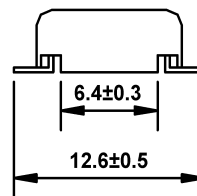
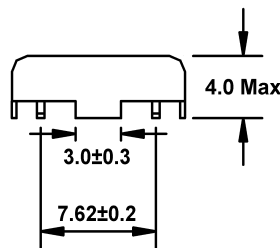
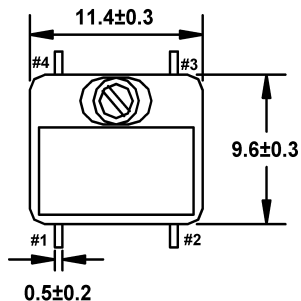
• ELECTRICAL CHARACTERISTICS				
PARAMETERS		MIN	MAX	UNITS
Frequency Range (Fo)		9.600	20.000	MHz
Initial Frequency Tolerance at 25°C		-1.0	+1.0	PPM
	Vc = 2.5V (E Version)*			
	Vc = 1.5V (BE Version)*			
Frequency Stability				PPM
Over Temperature Range		-2.5	+2.5	
Over Supply Voltage Change (VDD ± 5%)		-0.3	+0.3	
Over Load Change 10kΩ ± 10%, 10pF ± 10%		-0.3	+0.3	
Temperature Range				°C
Operating Temperature (TOPR)		-30	+75	
Storage Temperature (TSTG)		-35	+80	
Supply Voltage (VDD)	"A/E" version	+4.75	+5.25	V
	"B/BE" version	+2.85	+3.15	
Output Waveform	(Clipped Sine)			
Peak-to-Peak Level (Vp-p)		1.0		V
Input Current (IDD)			2.0	mA
Frequency Adjustment (Internal Trimmer)		±3.0		PPM
Pullability VCTCXO*	E version (Vc = 2.5V ± 2.0V)	±5.0	±10.0	PPM
	BE version (Vc = 1.5V ± 1.0V)			
Aging (per year at 25°C)		±1.0	+1.0	PPM

* For proper operation, a control voltage (Vc) must be applied to pin 1 on VCTCXOs.
All specifications subject to change without notice. Rev. 11/09/01

Pin Connections

TCXO	VCTCXO
#1 N.C. #3 Output	#1 Vc #3 Output
#2 GND #4 Vdd	#2 GND #4 Vdd

Recommended Solder Pad Layout



See page 74 for tape and reel specifications.

All dimensions are in millimeters.