

# TCXO SMD TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS FOX729 / 739

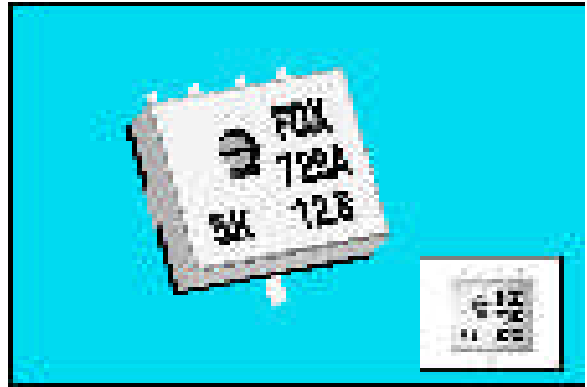
The FOX729 / 739 provide a small 0.4 cm<sup>3</sup> volume and an extended temperature range. With an optional 3.0V supply voltage, this part is exceptional for portable transmission and communication equipment.

## FEATURES

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

## APPLICATIONS

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



Actual Size

# Discontinued

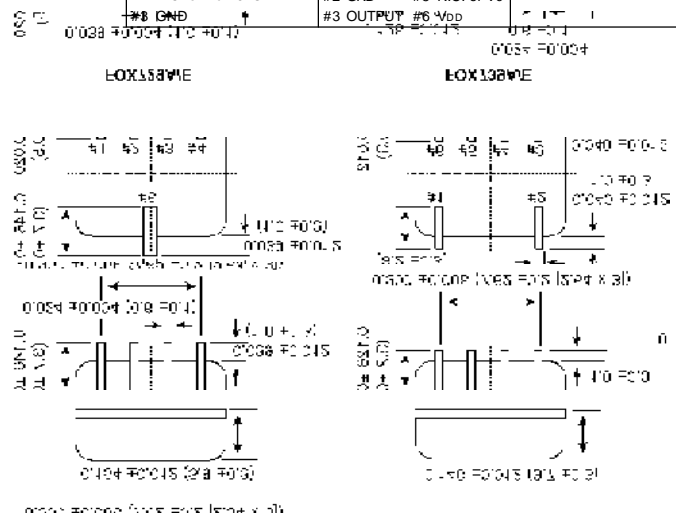
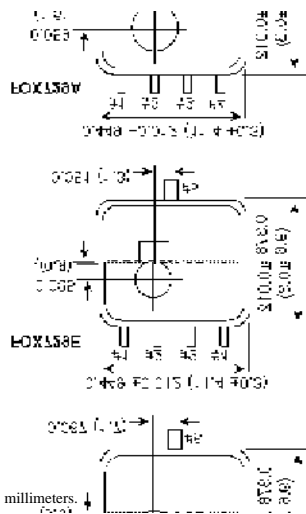
### ELECTRICAL CHARACTERISTICS (Ta = 25°C, /Dr = ±5.0%, Load = 10kΩ, 15pF)

PARAMETERS	MIN	MAX	UNITS
Frequency Range* (Fo) (9.60,12.00,12.80,15.36,19.20 STD)	9.600	20.000	MHz
Frequency Tolerance	-0.5	+0.5	PPM
Frequency Stability			
over Temperature Range	-2.5	+2.5	PPM
over Supply Voltage Change (VDD ±5%)	-0.3	+0.3	
over Load Change 10kΩ ±10%, 15pF ±10%	-0.3	+0.3	
Temperature Range			
Operating Temperature (TOPR)	-30	+75	°C
Storage Temperature (TSTG)	-35	+80	
Supply Voltage (VDD)	+4.75	+5.25	V
Output Waveform (Clipped Sine)			
Peak-to-Peak Level (Vp-p)	1.0		V
Input Current (IDD)		20	mA
Load		10 15	KΩ pF
Frequency Adjustment (Internal Trimmer)	±3.0		PPM
Aging (per year at 25°C)	-1.0	+1.0	PPM
Voltage Control Option			
VCTCXO - E Version (2.5V ±2.0V)	±4.0		PPM
VCTCXO - BE version (1.5V ±1.0V)	±2.0		

\* Other frequencies available. Consult Fox Customer Service for your requirements.  
All specifications subject to change without notice. Rev. 5/30/98

### PIN CONNECTIONS

FOX729A/E	FOX739A/E
#1 VDD    #4 OUTPUT	#1 GND    #4 GND
#2 N.C. or Vc #5 GND	#2 GND    #5 N.C. or Vc
#3 GND	#3 OUTPUT #6 VDD



Inch dimensions shall govern.  
All dimensions are in inches & parenthetically in millimeters.  
See page 65 for tape and reel specifications.