

- Wide temperature operation
- Low Phase Noise
- Output HCMOS
- Industry-standard dual-in-line package
- Supply voltage 5.0, 12.0 or 15.0 Volts
- Available with Screening & Testing to MIL STD.



### DESCRIPTION

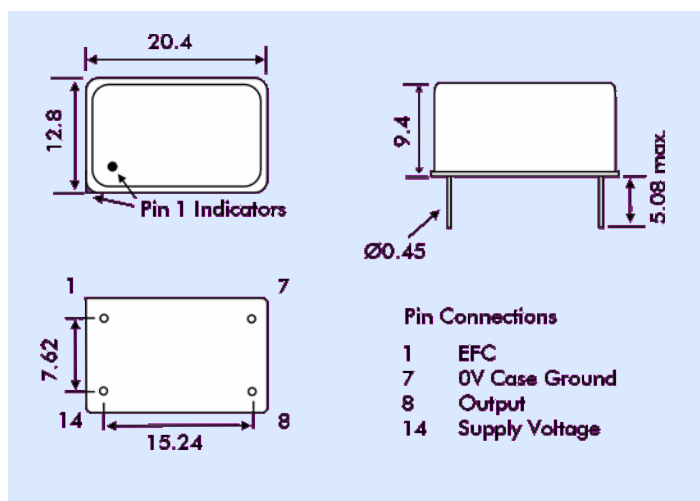
ZT560 series TCXOs are standard-packaged 14 pin DIL TCXOs. The parts offer a wide temperature operation with low phase noise performance. Supply voltage 5.0, 12.0 or 15.0 Volts.

### GENERAL SPECIFICATION

Frequency Range:	20.0kHz to 30.0MHz
Output:	HCMOS
Input Voltage:	
Model ZT560:	+5.0VDC $\pm 5\%$
Model ZT561:	+12.0VDC $\pm 5\%$
Model ZT562:	+15.0VDC $\pm 5\%$
Input Current:	15mA typical (10MHz)
Temperature Stability:	See table
Ext. Frequency Control:	(On pin 1) $> \pm 5$ ppm Positive slope
Ageing:	$\pm 1$ ppm /1st year

Screening and Qualification Testing available to MIL-PRF-55310 Product Level B.  
Available with full 14 pin package upon request.  
Surface mount form available (ZT570 Series)

### OUTLINES AND DIMENSIONS



### STABILITY OVER TEMPERATURE

Temp. Range	Stability	Part No. Code
0~+50°C	$\pm 1$ ppm	B16
-20~+70°C	$\pm 2$ ppm	N256
-40~+85°C	$\pm 3$ ppm	T36
-55~+125°C	$\pm 5$ ppm	X56

### PHASE NOISE (At 10MHz, Typical)

Offset	dBc/Hz
10Hz	-90
100Hz	-120
1kHz	-140
10kHz	-150
100kHz	-152

### PART NUMBERING

Example: **ZT560-B16-20.0kHz**

