



LOW NOISE SURFACE MOUNT TCXO

This miniature TCXO is available up to 75 MHz and is ideal for battery powered mobile applications requiring low phase noise and excellent stability.

MODEL ZT-290

GENERAL SPECIFICATIONS

Frequency: 20 KHz to 75 MHz
Output: HCMOS Squarewave,
upto 10 HCMOS Loads.

Temperature Stability:

Option	Stability	Temp. Range
-1	5×10^{-7}	0° to +50°C
-2	1×10^{-6}	0° to +50°C
-3	1×10^{-6}	-20° to +70°C
-4	1×10^{-6}	-40° to +85°C

Aging: $\pm 1 \times 10^{-6}$ /year

Phase Noise:
(Typ. @ 10 MHz,
Max. 3dbc
higher)

10Hz	-105 dBc/Hz
100Hz	-125 dBc/Hz
1kHz	-140 dBc/Hz
10kHz	-150 dBc/Hz
100kHz	-155 dBc/Hz

Input Voltage: +15V DC ($\pm 5\%$) - Option A
+5V DC ($\pm 2\%$) - Option B

Input Current: 15ma (Typ. @ 10 MHz)

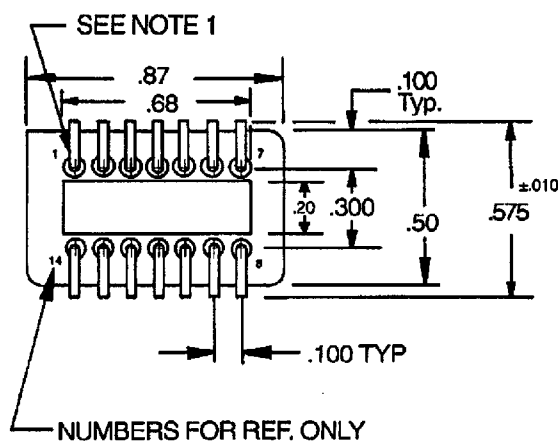
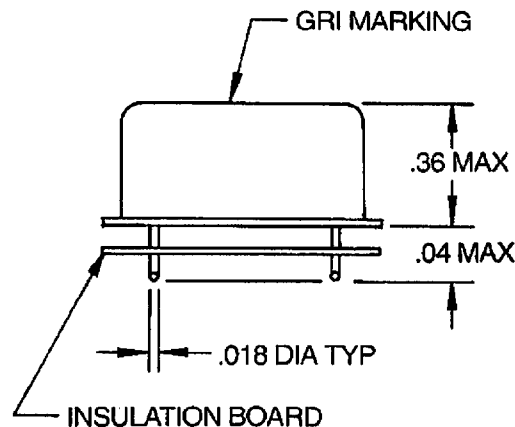
Size: .87" L x .575" W x .40" H

Package Type: 14 PIN - Option 14
4 PIN - Option 4

Storage Temp: -55°C to +125°C

Maximum Process Temp: +230°C for 10 sec.

Screening & Qualification Testing available to
MIL-O-55310, Class B.



Pin Connections:

Pin 1 External Trimmer
Pin 7 0 Volts & Case Gnd.
Pin 8 Output
Pin 14 B+

Ordering Information:

ZT-290- - - -

Stability Option _____
Voltage Option _____
Package Option _____
Frequency _____