

- Rugged construction
- Low Phase Noise
- HCMOS output
- Industry-standard dual-in-line package



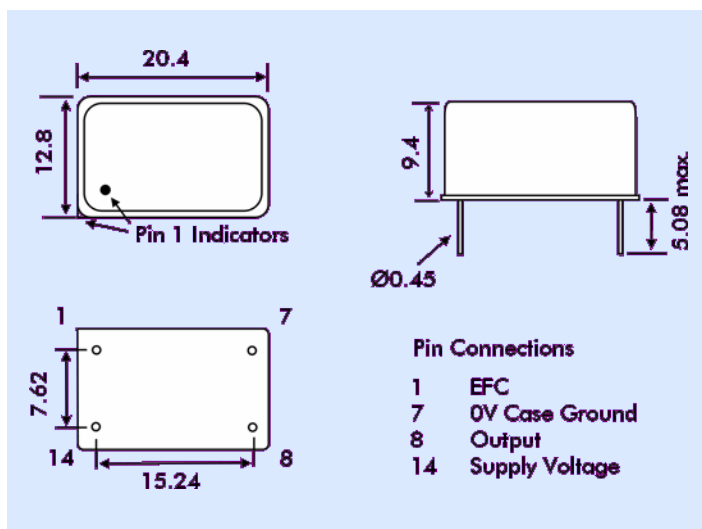
DESCRIPTION

Y1600 series XOs are packaged in the industry-standard 14 pin DIL package. The part has a rugged construction and excellent shock and vibration performance.

GENERAL SPECIFICATION

Frequency Range:	10.0MHz to 50.0MHz
Output:	HCMOS
Load:	10 to 15pF
Symmetry:	50%±5%
Temperature Stability:	See table
Initial Accuracy:	with ±3ppm of nominal & +2.5V EFC
Ageing:	<±1 ppm/year first year <±3ppm for 10 years (10MHz)
Input Voltage:	+5.0DC±5%
Current Consumption:	<15mA (10MHz)
Frequency Adjust:	±10ppm typ, positive slope 0.5V to +4.5V EFC

OUTLINES AND DIMENSIONS



TEMPERATURE STABILITY

Temp. Range	Tolerance	Option
0° to +50°C	±5 x 10 ⁻⁶	B56
-20° to +70°C	±10x 10 ⁻⁶	N106
-40° to +85°C	±15 x 10 ⁻⁶	T156

PHASE NOISE (At 10.0MHz, Typical)

Offset	dBc/Hz
10Hz	-100
100Hz	-135
1kHz	-150
10kHz	-160
100kHz	-165

PART NUMBERING

Example: **Y1600-N106-10.0MHz**

