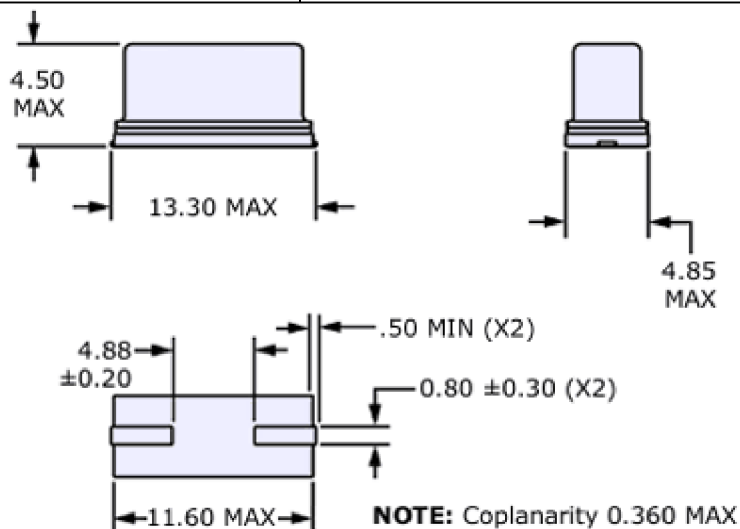


STANDARD SPECIFICATIONS

Nominal Frequency	27 MHz
Frequency Tolerance/Stability	±20ppm at 25°C, ±30ppm over 0°C to +70°C
Aging at 25°C	±5ppm/First Year Maximum, ±20ppm/10 Years Maximum
Operating Temperature Range	0°C to +70°C
Load Capacitance	14pF
Shunt Capacitance (C0)	7pF Maximum
Motional Capacitance	16fF ±20%
Equivalent Series Resistance	35 Ohms Maximum
Mode of Operation	Fundamental
Drive Level	1mWatt Maximum, 100µWatts Correlation
Crystal Cut	AT-Cut
Spurious Response	>3dB from Fo to Fo +5000ppm
C0/C1 Ratio	300 Maximum
SPUR	9998 Ohms Minimum (80.987850MHz to 81.012150MHz; 10dBm, 14 Steps)
SPRR Ratio	3 Minimum (80.919000MHz to 81.081000MHz; 10dBm, 80 Steps)
Storage Temperature Range	-40°C to +85°C
Insulation Resistance	500 Megaohms Minimum at 100Vdc

SMD HC-49/UP



Marking

Line 1: ECX5984

NOTE: Marking shall conform to conditions listed in TQC41-001-000


ECX-5984 -27.000M TR

Series
Ecliptek Custom Crystal

Nominal Frequency
27
MHz

Packaging Options
Blank = Bulk
TR = Tape & Reel

SPECIFICATION CONTROL DRAWING

	Drawing Number: CCX00-005-984
Title: Ecliptek Generic (ECLMF) ECX-5984 Series	
Effectivity Date: 2/9/2005	PAGE 1 OF 2
Approved By:	Released By:

ENVIRONMENTAL & MECHANICAL


Fine Leak Test	MIL-STD-883, Method 1014 Condition A	Gross Leak Test	MIL-STD-883, Method 1014 Condition C
Mechanical Shock	MIL-STD-202, Method 213 Condition C	Resistance to Soldering Heat	MIL-STD-202, Method 210
Resistance to Solvents	MIL-STD-202, Method 215	Solderability	MIL-STD-883, Method 2003
Temperature Cycling	MIL-STD-883, Method 1010	Vibration	MIL-STD-883, Method 2007 Condition A

RoHS Compliance Information

RoHS Compliant	Pb-Free	Date of RoHS Compliance
Yes	Yes	2/9/2005

Note: Please refer to TEN02-030-000 more information regarding RoHS compliance.

SPECIFICATION CONTROL DRAWING

 ECLIPTEK[®] CORPORATION	Drawing Number: CCX00-005-984
Title: Ecliptek Generic (ECLMF) ECX-5984 Series	
Effectivity Date: 2/9/2005	PAGE 2 OF 2