Marketing Bulletin

DATE: Monday, November 30, 1998

TO: Affected Customers

FROM: Marketing

RE: ECCM4 Series Termination

To all concerned parties,

This bulletin is to notify all customers of the discontinuation of the ECCM4 series Ecliptek crystal effective Monday, November 30, 1998.

In compliance with our End of Life (EOL) policy, this notice will serve as advanced notice of product termination. New orders will not be accepted after Monday, February 01, 1999, with delivery to be conclude by Monday, February 01, 1999.

The ECCM5 series is a recommended alternate for the ECCM4 series. This may not be an exact cross, so it is highly recommended that the data sheet(s) of the recommended alternate are reviewed and samples tested to ensure conformance.

If there are any questions pertaining to this bulletin, please contact your Ecliptek sales representative. Thank you again for your cooperation.

Ecliptek Marketing

3545 CADILLAC AVENUE · COSTA MESA, CA 92626-1401 · (714) 433-1200 · Fax (714) 433-1234

STANDARD SPECIFICATIONS	
Frequency Range:	11.000MHz to 120.000MHz
Frequency Tolerance @ 25°C	
2 查询"ECCM4"供应商	±10ppm
3	±15ppm
4	±20ppm
5	±30ppm
Frequency Stability	See Table 1 for Available Frequency Stabilities
Shunt Capacitance (C_0)	5pF Maximum
Load Capacitance (C_L)	18pF Standard, $C_L \geq 10$pF and Series Available
Mode of Operation	Fundamental from 11.000MHz to 39.999MHz
T	Third Overtone from 40.000MHz to 120.000MHz
Operating/Storage Temperature	See Table 1 for Operating Temperature / -40°C to +85°C
Drive Level	100µWatts Maximum
Aging @ 25°C	±2ppm/year Maximum
Equivalent Series Resistance	30 Ohms Maximum 11.000MHz to 39.999MHz (Fundamental)
	50 Ohms Maximum 40.000MHz to 120.000MHz (Third Overtone)
Insulation Resistance	500 Megaohms Minimum at 100Vdc

ORIGINAL (IF IN RED)

OBSOLETE

ENVIRONMENTAL & MECHANICAL	
Shock:	Random drop on hard wooden floor 3 times from height of 50cm.
Vibration:	Frequency: 10-55Hz, Amplitude: 1.5mm, Period: 1-2 Minutes, Test Time: 2Hrs/XYZ Axis
Seal Integrity:	MIL-STD-202, Method 112, Condition D (Bubble Test)
Solderability:	75% Minimum Coverage @ 230°C ±5°C for 5 Seconds
Marking Permenancy:	MIL-STD-202, Method 215, Solution A (Solvent)

TABLE 1: PART NUMBERING CODES

OPERATING TEMPERATURE		FREQUENCY STABILITY (PPM) X Denotes Availability					
Range	Code	A ±5	B ±10	C ±15	D ±20	E ±30	Code Range
-10°C to +60°C	A	X	X	X	X	X	
-20°C to +60°C	B		X	X	X	X	
0°C to +70°C	C		X	X	X	X	
-10°C to +70°C	D		X	X	X	X	
-20°C to +70°C	E		X	X	X	X	
-30°C to +60°C	F					X	
-20°C to +85°C	G					X	

PART NUMBERING GUIDE

4A 2 A B T S - 70.000M-TR

- Packaging Options
- Frequency
- Load Capacitance
- Mode of Operation
- Operating Temperature Range (Table 1)
- Frequency Stability (Table 1)
- Frequency Tolerance
- Series Designator (ECCM4)

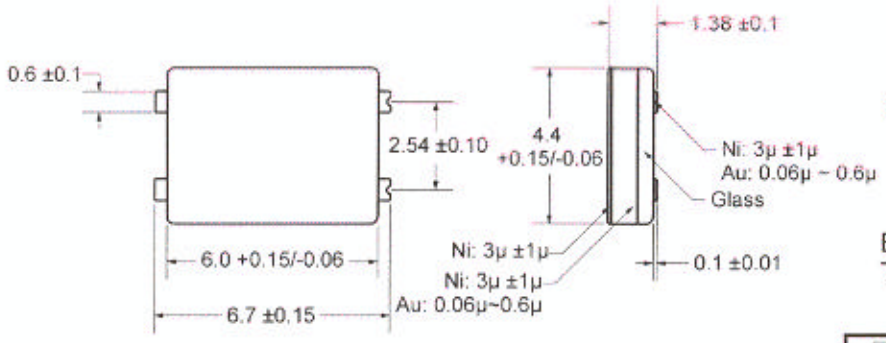
MARKING GUIDE

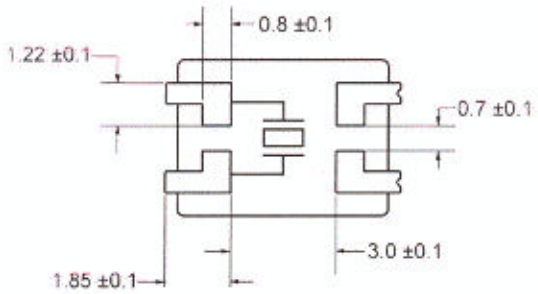
(Line #1) ECLIP

(Line #2) XX.XXM

Frequency

OBSOLETE





ALL DIMENSIONS IN MILLIMETERS

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

PACKAGING OPTIONS

Blank = Bulk

TR = Tape & Reel (CPA70-141-000)

SPECIFICATION CONTROL DRAWING

ECLIPTEK® CORPORATION

Drawing Number: CCR38-001-000

Title: 1.38mm GLASS SURFACE MOUNT CRYSTAL