ECLIPTEK® CORPORATION

Marketing Bulletin

DATE: Saturday, May 01, 1999

TO: Affected Customers

FROM: Marketing

RE: ECCM2 Series Termination

To all concerned parties,

This bulletin is to notify all customers of the discontinuation of the ECCM2 series Ecliptek crystal effective Saturday, May 01, 1999.

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 Saturday, May 01, 1999, with delivery to be conclude by Saturday, May 01, 1999.

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:	3.579545MHz to 70.000MHz
Frequency Tolerance/Stability:	
Blank	±50ppm at 25°C, ±100ppm over -10°C to +60°C
J	±30ppm at 25°C, ±50ppm over -10°C to +60°C
Shunt Capacitance (Co)	7pF Maximum
Load Capacitance (CL)	
Blank	18pF Standard
XX	CL ≥ 12pF
S	Series
Mode of Operation	
Blank	Fundamental from 3.579545MHz to 30.000MHz
T	Third Overtone from 30.000MHz to 70.000MHz
Storage Temperature	-30°C to +85°C
Drive Level	1 mWatt Maximum
Aging @ 25°C	±5ppm/year Maximum
Insulation Resistance	500 Megaohms Minimum at 100Vdc

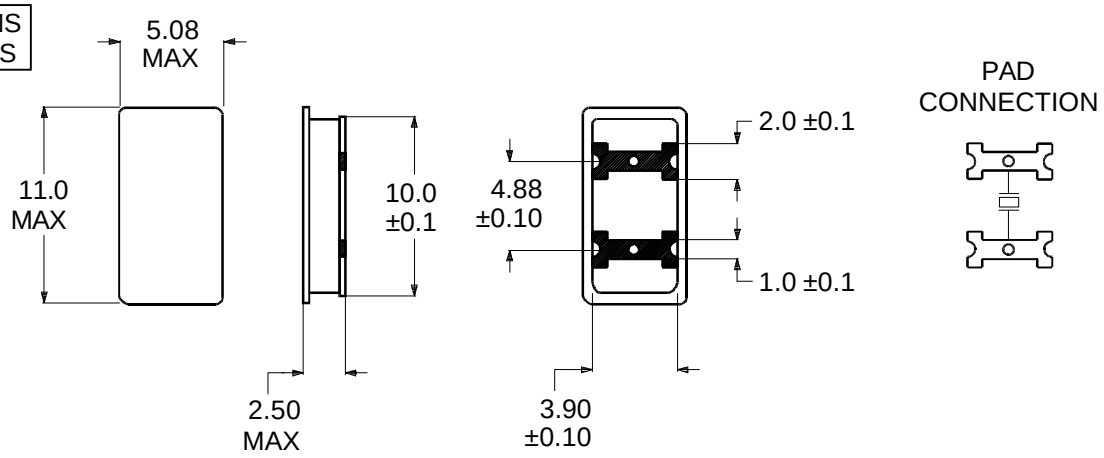
ENVIRONMENTAL & MECHANICAL

Shock:	Conditions and Criteria Listed in TQC41-883-007
Vibration:	Conditions and Criteria Listed in TQC41-883-008
Seal Integrity:	Conditions and Criteria Listed in TQC41-883-003
Solderability:	Conditions and Criteria Listed in TQC41-883-004 / 95% coverage
Marking Permenancy:	Conditions and Criteria Listed in TQC41-883-001

FREQUENCY VS. EQUIVALENT SERIES RESISTANCE (ESR Ohms Maximum)

Frequency Range	ESR	Frequency Range	ESR	Frequency Range	ESR
3.579 - 3.999	150	7.000 - 9.999	60	24.000 - 30.000	30
4.000 - 4.999	130	10.000 - 14.999	45	30.000 - 70.000 (3rd)	100
5.000 - 6.999	80	15.000 - 23.999	30		

ALL DIMENSIONS IN MILLIMETERS



PART NUMBERING GUIDE

ECCM2 J T - 20 - 30.000M TR

- **Packaging Options**
  Blank = Bulk
  TR = Tape & Reel (CPA70-071-000)
- **Frequency**
- **Load Capacitance**
  Blank = 18pF (Standard)
  S = Series
  XX = XXpF
- **Mode of Operation**
  Blank = Fundamental
  T = Third Overtone
- **Frequency Tolerance/Stability**
  Blank = ±50ppm at 25°C, 100ppm over -10°C to +60°C
  J = ±30ppm at 25°C, 50ppm over -10°C to +60°C

MARKING GUIDE

EXX.XXX
Frequency in MHz

EXX.XXX

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

SPECIFICATION CONTROL DRAWING

ECLIPTEK® CORPORATION	**Drawing Number** CCR30-002-000
Title 2.5mm Ceramic Surface Mount Crystal	
Revision B	**Effectivity Date**
ECN Number 1858	PAGE 1 OF 1
Approved By **Date**	**Released By** **Date**