

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

STANDARD SPECIFICATIONS

Frequency Range:	3.579545MHz to 70.000MHz
Frequency Tolerance/Stability: Blank J	±50ppm at 25°C, ±100ppm over -10°C to +60°C ±30ppm at 25°C, ±50ppm over -10°C to +60°C
Shunt Capacitance (Co)	7pF Maximum
Load Capacitance (CL) Blank XX S	18pF Standard CL ≥ 12pF Series
Mode of Operation Blank T	Fundamental from 3.579545MHz to 30.000MHz 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

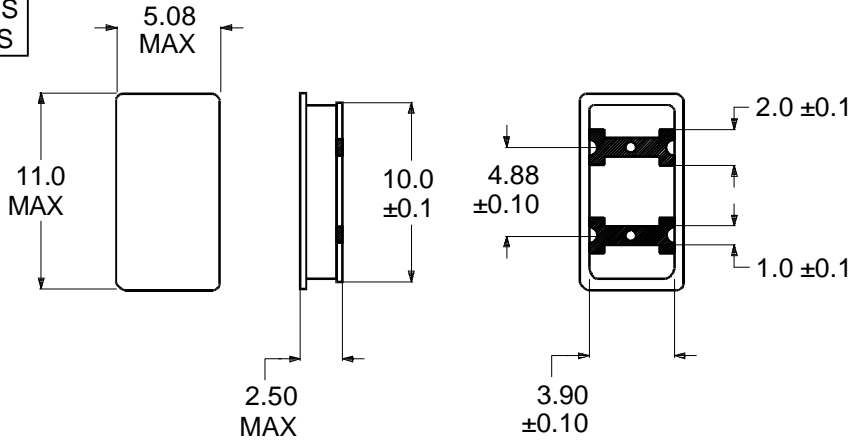
ENVIRONMENTAL & MECHANICAL

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 Permanency:	Conditions and Criteria Listed in TQC41-883-001

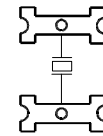
FREQUENCY VS. EQUIVALENT SERIES RESISTANCE (ESR Ohms Maximum)

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



PAD
CONNECTION



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

		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