

Marketing Bulletin

DATE: Sunday, November 01, 1998
TO: Affected Customers
FROM: Marketing
RE: ECP1SM Series Termination

To all concerned parties,

This bulletin is to notify all customers of the discontinuation of the ECP1SM series Ecliptek crystal effective Thursday, November 11, 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 Sunday, November 01, 1998, with delivery to be conclude by Thursday, December 31, 1998.

The EC3SM series is a recommended alternate for the ECP1SM 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

STANDARD SPECIFICATIONS

Frequency Range:	3.579545MHz to 70.000MHz
Frequency Tolerance/Stability: Blank A B C D E	±50ppm at 25°C, ±100ppm over 0°C to +70°C ±50ppm at 25°C, ±100ppm over -20°C to +70°C ±50ppm at 25°C, ±100ppm over -40°C to +85°C ±30ppm at 25°C, ±50ppm over 0°C to +70°C ±30ppm at 25°C, ±50ppm over -20°C to +70°C ±30ppm at 25°C, ±50ppm over -40°C to +85°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	-40°C to +85°C
Drive Level	1 mWatt Maximum
Aging @ 25°C	±5ppm/year Maximum
Insulation Resistance	500 Megaohms Minimum at 100Vdc

ORIGINAL
IF IN RED

OBSOLETE

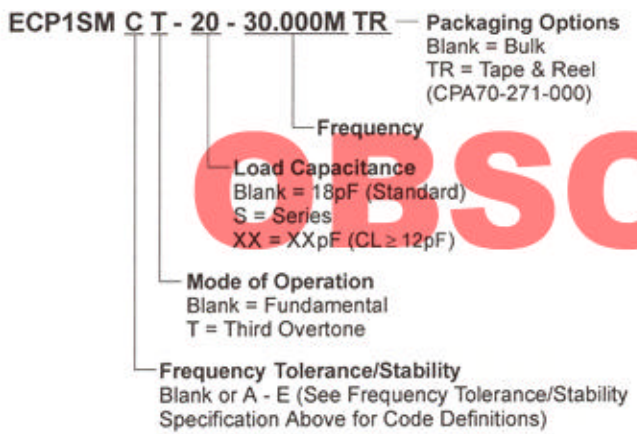
ENVIRONMENTAL & MECHANICAL

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 - 4.999	200	8.000 - 8.999	90	15.000 - 15.999	60
5.000 - 5.999	150	9.000 - 9.999	80	16.000 - 30.000	50
6.000 - 7.999	120	10.000 - 14.999	70	30.000 - 70.000 (3rd)	80

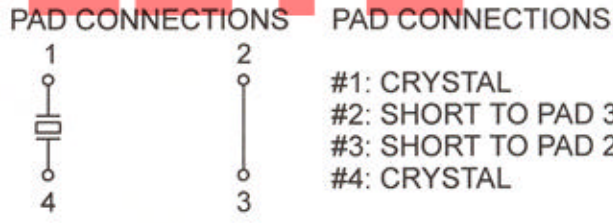
PART NUMBERING GUIDE



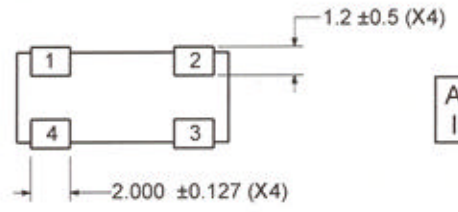
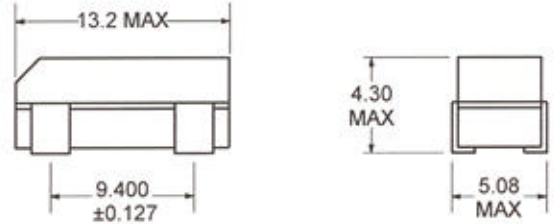
MARKING GUIDE

EXX.XXX
Frequency in MHz

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



Note 2: Pads 2 and 3 are mechanically connected but not electrically connected to the crystal can.



ALL DIMENSIONS
IN MILLIMETERS

SPECIFICATION CONTROL DRAWING

	Drawing Number CCR43-001-000
	Title 4.3mm x 13.2mm Plastic Surface Mount Crystal