

Marketing Bulletin

DATE: Saturday, April 01, 2000
TO: Affected Customers
FROM: Marketing
RE: ECP2SM Series Termination

To all concerned parties,

This bulletin is to notify all customers of the discontinuation of the ECP2SM series Eclipsek crystal effective Saturday, April 01, 2000.

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, April 01, 2000, with delivery to be conclude by Saturday, April 01, 2000.

The EC3SM series is a recommended alternate for the ECP2SM 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 Eclipsek sales representative. Thank you again for your cooperation.

Eclipsek Marketing

STANDARD SPECIFICATIONS

Frequency Range:	3.500MHz to 30.000MHz
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
L	±30ppm at 25°C, ±30ppm 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	Fundamental from 3.500MHz to 30.000MHz
Storage Temperature	-55°C to +125°C
Drive Level	1 mWatt Maximum
Aging @ 25°C	±5ppm/year Maximum
Insulation Resistance	500 Megaohms Minimum at 100Vdc

ORIGINAL
IF IN RED

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
3.500 - 3.999	200	4.000 - 5.999	150	6.000 - 9.999	100
				10.000 - 30.000	50

PART NUMBERING GUIDE

ECP2SM J - 20 - 30.000M TR

- Packaging Options**
Blank = Bulk
TR = Tape & Reel (CPA70-351-000)
- Frequency**
20 = 20.000MHz
- Load Capacitance**
Blank = 18pF (Standard)
S = Series
XX = XXpF (CL ≥ 12pF)
- Frequency Tolerance/Stability**
Blank, J or L (See Frequency Tolerance/Stability Specification Above for Code Definitions)

MARKING GUIDE

EXX.XXX

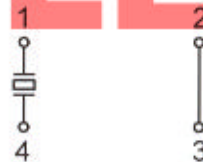
Frequency in MHz



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

PAD CONNECTIONS

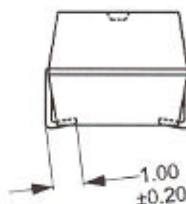
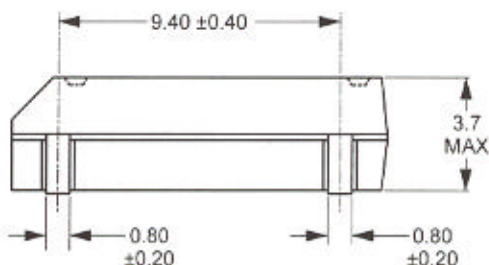
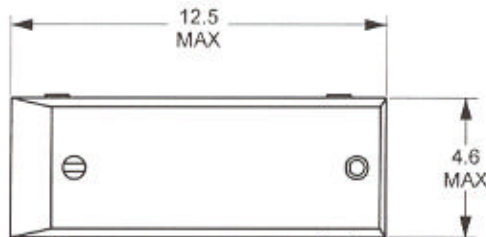
PAD CONNECTIONS



#1: CRYSTAL
#2: SHORT TO PAD 3 (See Note 2)
#3: SHORT TO PAD 2 (See Note 2)
#4: CRYSTAL

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

ALL DIMENSIONS
IN MILLIMETERS



OBSOLETE

SPECIFICATION CONTROL DRAWING



ECLIPTEK[®]
CORPORATION

Drawing Number
CCR47-001-000

Title

3.7mm x 12.5mm Plastic Surface Mount Crystal