

Marketing Bulletin

DATE: January 28th, 2008

TO: All Sales Personnel

FROM: Isaac Gonzalez

RE: Product Termination

To all concerned parties,

This bulletin is to notify all customers of the discontinuation of the following Ecliptek series effective January 28th, 2008:

Series Description Recommended Replacement

E3U RoHS Compliant (Pb-free) Resistance E2S

Welded HC-49/UST Crystal

In compliance with our End of Life (EOL) policy, this will serve as advanced notice of product termination. New orders will not be accepted after July 28th, 2008, with delivery to conclude by October 28th, 2008.

If there are any questions pertaining to this bulletin, please feel free to contact me. Thank you again for your cooperation.

Best Regards,

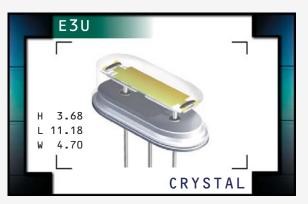
Isaac Gonzalez

Configuration Manager Ecliptek Corporation

E3U Series

- RoHS Compliant (Pb-Free)
- HC-49/UST package
- AT or BT cut available
- Resistance weld seal
- Tight tolerance/stability
- Insulator tab, and custom lead length options available





NOTES

OBSOLETE

ELECTRICAL SPECIFICATIONS

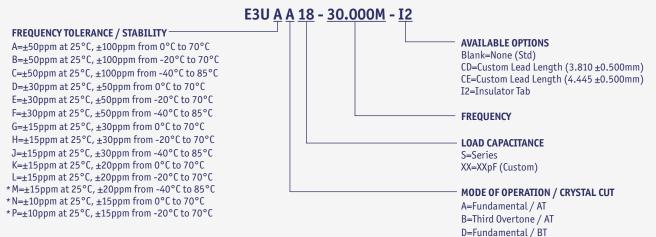
Frequency Range	3.579545MHz to 50.000MHz				
Frequency Tolerance / Stability	±50ppm/±100ppm (Standard), ±30ppm/±50ppm (AT cut only), ±15ppm/±30ppm (AT cut only),				
Over Operating Temperature Range	± 15 ppm / ± 20 ppm (AT cut only), or ± 10 ppm / ± 15 ppm (AT cut only)				
Operating Temperature Range	0°C to 70°C (Standard), -20°C to 70°C (AT cut only), or -40°C to 85°C (AT cut only)				
Aging (at 25°C)	±5ppm / year Maximum				
Storage Temperature Range	-40°C to 85°C				
Shunt Capacitance	7pF Maximum				
Insulation Resistance	500 Megaohms Minimum at 100V _{DC}				
Drive Level	1 mWatt Maximum				
Load Capacitance (C _L)	18pF (Standard), Custom C _L ≥10pF, or Series Resonant				
Drive Level Dependancy (DLD2)	20% of Maximum ESR Limit (from 1μWatt to 1000μWatts)				
Spurious Response	>3dB from Fo to Fo +5000ppm				
Drive Level Dependancy (DLD2)	20% of Maximum ESR Limit (from 1μWatt to 1000μWatts)				

EQUIVALENT SERIES RESISTANCE (ESR), MODE OF OPERATION (MODE), AND CUT

Frequency Range	ESR (Ω)	Mode / Cut	Frequency Range	ESR (Ω)	Mode / Cut
3.579545MHz to 4.999MHz	200 Max	Fundamental / AT	15.000MHz to 15.999MHz	60 Max	Fundamental / AT
5.000MHz to 5.999MHz	150 Max	Fundamental / AT	16.000MHz to 23.999MHz	50 Max	Fundamental / AT
6.000MHz to 7.999MHz	120 Max	Fundamental / AT	24.000MHz to 29.4912MHz	40 Max	Fundamental / AT
8.000MHz to 8.999MHz	90 Max	Fundamental / AT	24.000MHz to 40.000MHz	40 Max	Fundamental / BT
9.000MHz to 9.999MHz	80 Max	Fundamental / AT	28.6363MHz to 29.999MHz	150 Max	Third Overtone / AT
10.000MHz to 14.999MHz	70 Max	Fundamental / AT	30.000MHz to 50.000MHz	100 Max	Third Overtone / AT

MANUFACTURER CATEGORY SERIES PACKAGE CLASS REV.DATE ECLIPTEK CORP. CRYSTAL E3U HC-49/UST CR45 03/04

PART NUMBERING GUIDE



^{*} Frequency Tolerance/Stability options M, N, and P are only available with frequencies greater than 10.000MHz

NOTES

OBSOLETE

