PART NUMBER DATA SHEET

E1M3CCA9-16.000M

Click part number to visit Part Number Details page

Ecliptek

REGULATORY COMPLIANCE (Data Sheet downloaded on Nov 20, 2017)

Lead Free COMPLIANT

Click badges to download compliance docs

Regulatory Compliance standards are subject to updates by governing bodies. Click the badges to download the latest compliance docs for this part number directly from Ecliptek.

DRC CONFLICT FREE

ITEM DESCRIPTION

16.000MHz ±15ppm 9pF Parallel Resonant

ELECTRICAL SPECIFICATIONS

Nominal Frequency	16.000MHz
Frequency Tolerance	±15ppm
Frequency Stability	±15ppm
Aging at 25°C	±1ppm/year Maximum
Operating Temperature Range	-40°C to +85°C
Load Capacitance	9pF Parallel Resonant
Shunt Capacitance (C0)	7pF Maximum
Equivalent Series Resistance	40 Ohms Maximum
Mode of Operation	Fundamental
Drive Level	10µWatts Maximum
Crystal Cut	AT-Cut
Storage Temperature Range	-55°C to +125°C
Insulation Resistance	500 Megaohms Minimum (Measured at 100Vdc)

ENVIRONMENTAL & MECHANICAL SPECIFICATIONS

ESD Susceptibility	MIL-STD-883, Method 3015, Class 1, HBM: 1500V
Fine Leak Test	MIL-STD-883, Method 1014, Condition A
Flammability	UL94-V0
Gross Leak Test	MIL-STD-883, Method 1014, Condition C
Lead Integrity	MIL-STD-883, Method 2004
Mechanical Shock	MIL-STD-202, Method 213, Condition C
Moisture Resistance	MIL-STD-883, Method 1004
Moisture Sensitivity	J-STD-020, MSL 1
Resistance to Soldering Heat	MIL-STD-202, Method 210, Condition K
Resistance to Solvents	MIL-STD-202, Method 215
Solderability	MIL-STD-883, Method 2003
Temperature Cycling	MIL-STD-883, Method 1010, Condition B
Vibration	MIL-STD-883, Method 2007, Condition A

Ecliptek, LLC 5458 Louie Lane, Reno, NV 89511 1-800-ECLIPTEK or 714.433.1200

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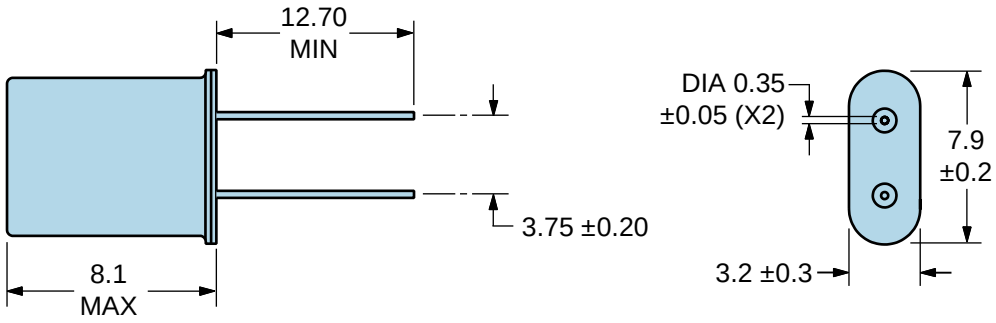
MECHANICAL DIMENSIONS (all dimensions in millimeters)

LINE	MARKING
1	**E16.00** *E=Ecliptek Designator*
2	**XXXXX** *XXXXX=Ecliptek Manufacturing Identifier*



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