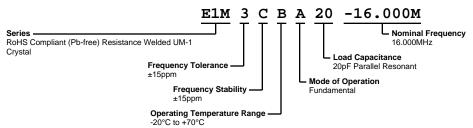
E1M3CBA20-16.000M





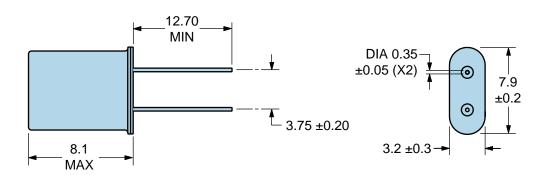
ELECTRICAL SPECIFICATIONS	
Nominal Frequency	16.000MHz
Frequency Tolerance	±15ppm
Frequency Stability	±15ppm
Aging at 25°C	±1ppm/year Maximum
Operating Temperature Range	-20°C to +70°C
Load Capacitance	20pF Parallel Resonant
Shunt Capacitance (C0)	7pF Maximum
Equivalent Series Resistance	40 Ohms Maximum
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	

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MECHANICAL DIMENSIONS (all dimensions in millimeters)



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