

SPECIFICATION

COMMERCIALY AVAILABLE

ITEM: CRYSTAL UNIT
PART NUMBER: XN-291
RoHS

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN	DOCUMENT CHECKED
5/5/10 PM	5/11/2010 SRJ	5/11/2010 BF	5/11/2010 GL	
2/29/12 kn	5/23/2012 TFG		5/23/2012 GL	

FILTRONETICS Inc

1. Part Number: XN-291

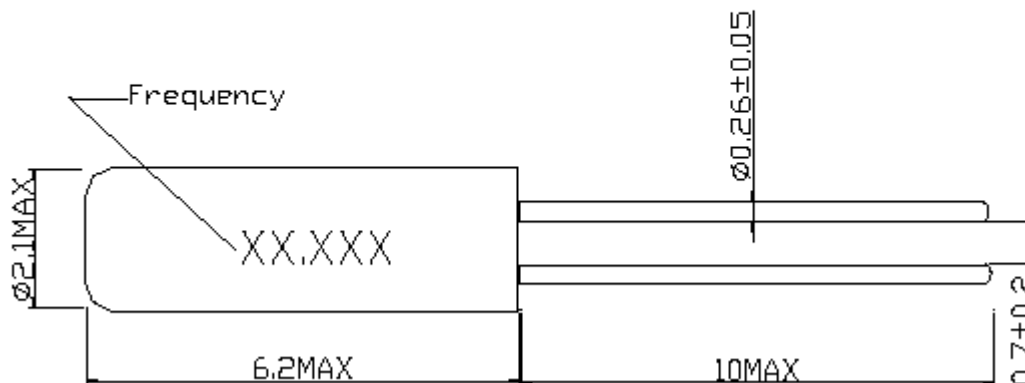
2. Specification:

Frequency:	30.720 KHz
Frequency Tolerance:	± 100 ppm Max
Frequency Stability:	-0.034±0.006 ppm/ (25-T)2
Equivalent Series Resistance (ESR)	50kΩ Max
Shunt Capacitance:	1.35 pF Typ
Load Capacitance	12.5 pF Typ
Motional Capacitance:	0.0030 pF Typ
Capacitance Ratio:	450 Typ
Drive Level:	1.0 μW Correlation
Aging at 25°C per year:	±30 ppm Max
Insulation Resistance:	500MΩ Min at 100Vdc ±15Vdc
Turn-over temperature:	25°C ±5°C
Operating Temperature:	-20 to + 70°C
Storage Temperature:	-40 to +85°C

3. Marking: Frequency

Marking Requirement: MIL-STD-202, Method 215

4. Mechanical Specifications: inches (mm)

OUTLINE DRAWING

Dimensions: inch (mm)

TOLERANCES:

UNLESS OTHERWISE SPECIFIED:

.XXX: ±0.008

ANGLE: ±1