

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

ECS Part Numbers	Frequency
ECS-094.9453-CDX-0313-TR	9.49453 MHz
ECS-098.4375-CDX-0314-TR	9.84375 MHz
ECS-120.9375-CDX-0315-TR	12.09375 MHz
ECS-130.625-CDX-0316-TR	13.0625 MHz
ECS-135.60-CDX-0317-TR	13.560 MHz

Electrical Characteristics

Parameters	Value
Frequency Tolerance @ +25°C	± 30 PPM Max.
Temperature Stability (-10° to +70°C)	± 50 PPM Max.
Equivalent Series Resistance	30 Ohms Max.
Motional Capacitance	10 fF Typ.
Load Capacitance	10 pF
Crystal Q	70K Min.
Shunt Capacitance	5 pF Max.
Drive Level	500 µW Max.
Aging (First Year @ +25°C)	± 5 PPM Max.
Operating Temperature	-10 to +70°C
Storage Temperature	-30 to +85°C



Package Dimensions (mm)

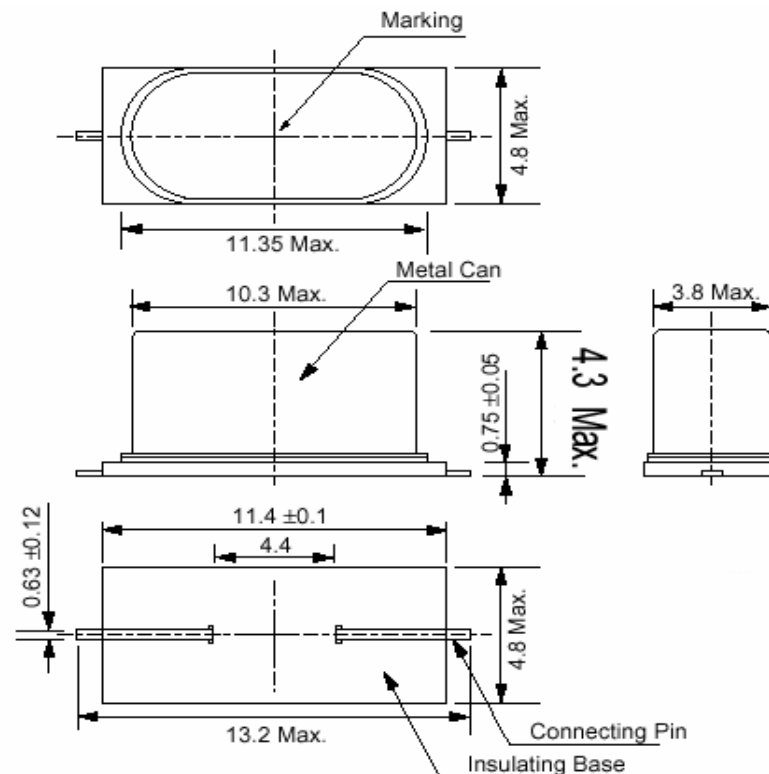


Figure 1) Top, Side, Bottom and End views

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SIGNATURES	DATE	TITLE CSM-7 SMD Crystal for Micrel Transmitter IC	
DRN RC	9/19/2005		
CHK BL	9/19/2005		
APP DK	9/19/2005		
Dimensions in mm		SIZE A	REV -
		DWG NO CDX-0313-0317	
		CAGE CODE: 1G8B7	SHEET 1 OF 1