



Features and Benefits

32.768KHz CMOS output

Operating temperature from 0°C to +200°C

3.3V supply voltage, 0.45mA Max. current

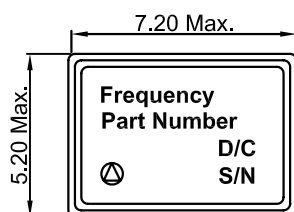
Typical Applications

Downhole

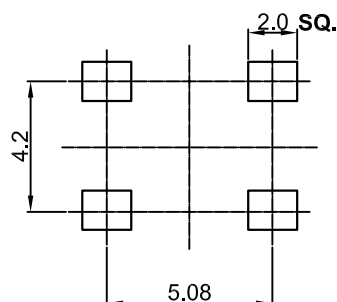
Mechanical Drawing & Pin Connections

Drawing No: MD160086-1

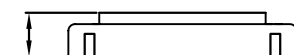
[TOP VIEW]



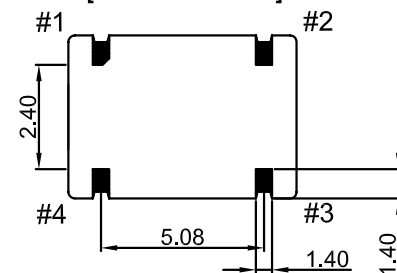
[Solder Pattern]



[SIDE VIEW]



[BOTTOM VIEW]



PIN	FUNCTION
#1	No Connect
#2	GND(Case)
#3	Output
#4	Supply Voltage

Unit : mm
1mm=0.039 inch



Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Frequency Range				32.768		KHz	
RF Output							
Waveform :			CMOS				
Output Load Capacitance				15		pF	
Output Symmetry				45/55		%	
Power Supply							
Supply Voltage	Vdd			3.3		V	
Supply Current	Idd	@3.3V			0.45	mA	
Frequency Stability							
Vs. Temperature 1		From 0°C to +175°C			±150	ppm	
Vs. Temperature 2		From 0°C to +200°C			±170	ppm	
Operating Temperature Range			0°C to +200°C				
Screening							
Stabilization Bake: 24 Hours (min @ T ≥ 150°C)							
Internal & External Visual Inspection							
Burn-in							
Fine and Gross Leak							
Final Electrical Test (at +25°C & over temperature)							