Dynamic Engineers Inc.
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Features and Benefits

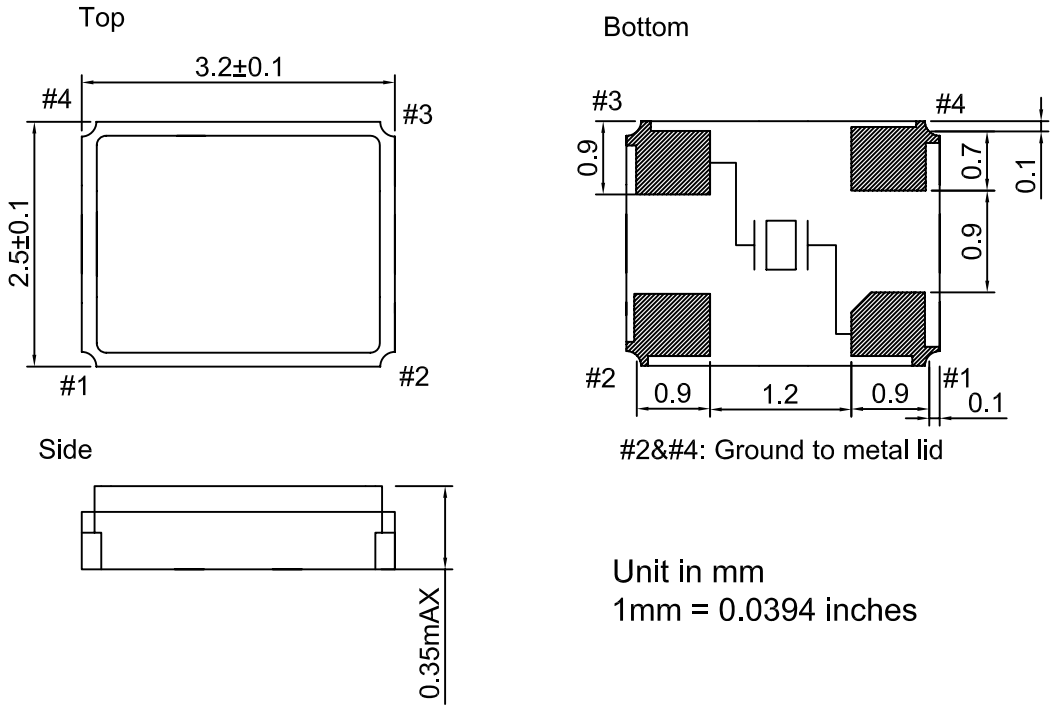
16MHz to 50MHz frequency range
Frequency stability vs. temperature ±50PPM
8pF load capacitance
Operating temperature: -20°C to +70°C

Typical Applications

Automotive
WLAN

Mechanical Drawing & Pin Connections

Drawing No: **MD160011-5**



#2&#4: Ground to metal lid

Unit in mm
1mm = 0.0394 inches

Dynamic Engineers reserves the right to make changes to the company datasheet(s) along with other information contained inside; such as data tables and graphs without notification to potential customers who may have earlier revisions in their possession.

Specifications

Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Frequency	F		16		50	MHz	
Oscillation mode			At-cut fundamental				
Load Capacitance	CL		7.8	8.0	8.2	pF	
Equivalent Series Resistance	Rs				100	Ohm	
Shunt Capacitance	Co			0.4	5.0	pF	
Drive Level	P	10uW for testing			100	uW	
Insulation Resistance		@100V DC	500			Ohm	
Frequency Tolerance	df/F	at +25°C ±3°C	±30 (±0.003%)			ppm	
Temperature Stability	df/F	over -20°C to +70°C	±50 (±0.005%)			ppm	
Aging		at +25°C ±3°C			±5.0	ppm	Per year
Environmental Conditions							
Operating Temperature range	-20°C to +70°C						
Storage Temperature range	-40°C to +85°C						
Reflow Soldering Condition	10 sec. max. at +250°C ±10°C						

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