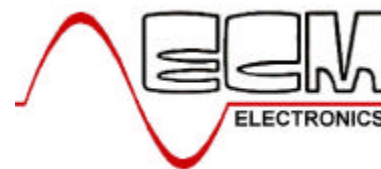


# ECM Surface Mount Crystal



## ECSX-1 Series

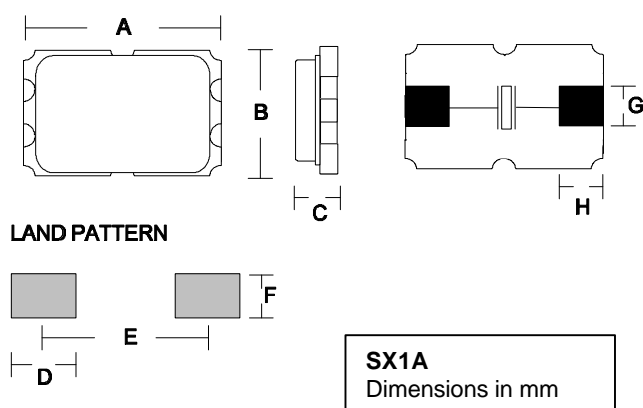
- Very Low Profile
- Excellent frequency stability
- Tape & Reel or Bulk Packaging
- Highly Competitive Prices for Volume users
- Custom options available
- 1.1mm high version available



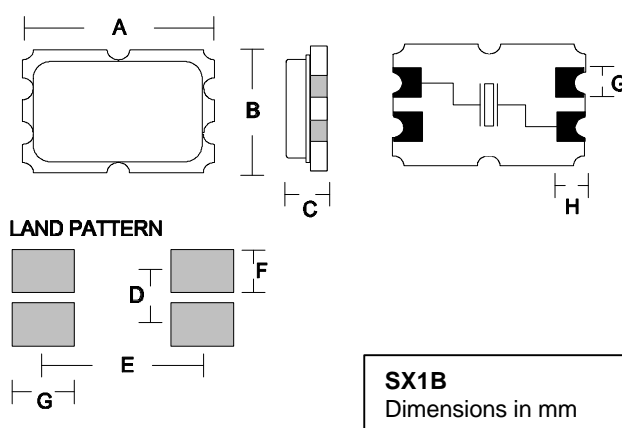
Parameter	SX1-A / SX1-B	
Frequency Range	9.80MHz to 40.0MHz 40.0001MHz to 100.0MHz	Fund 3 <sup>rd</sup> O/T
Calibration Tolerance @25°C	+50ppm standard +20ppm optional	
Temperature Tolerance	+20ppm +30ppm +35ppm +50ppm	Specify
Operating Temperature	-10°C to +60°C -20°C to +70°C	Specify
Load Capacitance	18pF 20pF 30pF	Specify
ESR	60Ω max	
Shunt Capacitance	7pF max	
Drive Level	10 to 100 μW	
Aging	+/-5ppm First year	

Environmental & Mechanical	
<b>Hermetic Seal</b>	Leak rate less than 1x10 <sup>-8</sup> Atoms of Helium
<b>Shock</b>	MIL-STD-202 30G 11ms
<b>Vibration</b>	MIL-STD-202 5G to 2000Hz
<b>Soldering Condition</b>	Lead Temperature 260°C 10s x 2max

Standard Frequencies in MHz		
14.318180	19.660800	29.491200
14.745600	24.000140	35.251200
16.000312	24.576000	40.320000
18.432000	28.224000	56.448000



A	B	C	D	E	F	G	H
7.0	5.0	1.6	2.2	6.4	2.4	2.0	1.25



A	B	C	D	E	F	G	H
7.0	5.0	1.6	2.64	5.08	1.1	1.0	1.20

Issue 02

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