## ECM Surface Mount Crystal

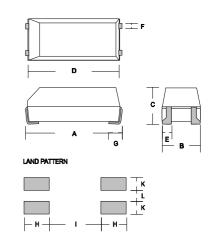


## **ECM 90SMX & 91SMX**

- High Density Mounting
- Excellent Shock Characteristics
- Competitive Prices For Volume Users
- Industry Standard Package
- Tape & Reel or Bulk Packaging

Parameter	90 & 91SMX				
Frequency Range	32.768kHz				
Calibration Tolerance @25 <sup>°</sup> C	+/-20ppm +/-50ppm +/-100ppm				
Temperature					
Tolerance	-0.4ppm/ <sup>0</sup> C <sup>2</sup>				
Operating					
Temperature	$-40^{\circ}$ C to $+85^{\circ}$ C				
Storage Temp	-55°C to +125°C				
Load Capacitance	6pf to $\infty$ (12.5pF Standard)				
ESR	55KΩ max				
Shunt Capacitance	1.0pF (Typ)				
Drive Level	1.0μW				
Shock Resistance	+/-5ppm max				
Ageing	+/-5ppm /yr				





А	В		С		)	E	F	G
10.41	4.	.06	3.56	9	9.40	0.51	0.51	2.54
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Н			K					
2.7	5.0		0.6	1.7	·			

Dimensions in mm



**INTERNAL CONNECTION** 

90SMX

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