

Products

FAR Resonator

- Small and high precision resonator utilizing LT (Lithium Tantalate: LiTaO_3) Crystal
- High reliability with ceramic package
- Lead free



	C7CF	C7CG	C7CH
Material	LT (Lithium Tantalate: LiTaO_3) Crystal		
Frequency Range	6,000kHz ~ 11,999kHz	12,000kHz ~ 20,000kHz	20,100kHz ~ 25,000kHz
Mode of Oscillation	Fundamental		
Frequency Tolerance (Symbol) *1	$\pm 500 \times 10^{-6}$ (G) $\pm 1,000 \times 10^{-6}$ (J)		
Frequency Stability (-30 ~ +85°C) *1	$\pm 1,000 \times 10^{-6}$		
Aging (25°C, 10 years) *1	$\pm 500 \times 10^{-6}$		
Operating Temperature	-30°C ~ +85°C		
Storage Temperature	-40°C ~ +100°C		
Load Capacitance	$10 \pm 4\text{pF}$	$5 \pm 2\text{pF}$	
Package	Type F	Type G	Type H
Dimension (L x W x T) *2	4.8mm x 2.1mm x 1.2mm	3.2mm x 2.1mm x 0.9mm	1.9mm x 1.5mm x 0.7mm

*1 $10^{-6} = 1 \text{ ppm} = 0.0001 \%$

*2 Value of T indicates maximum height.

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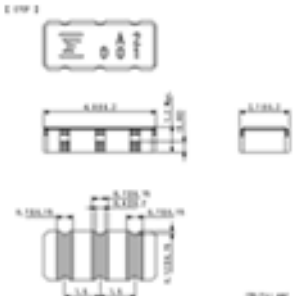
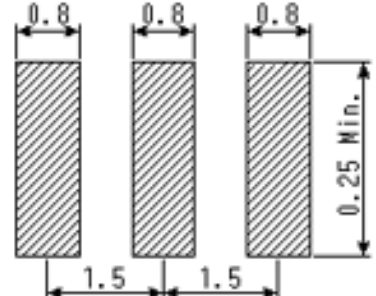
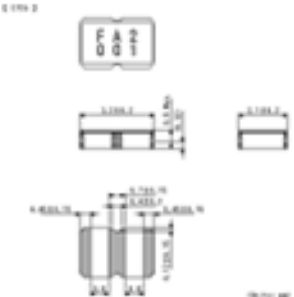
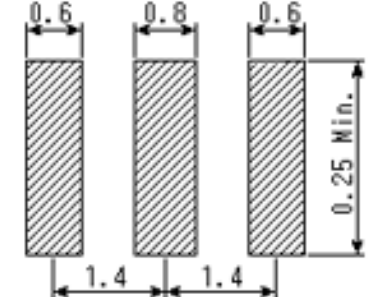
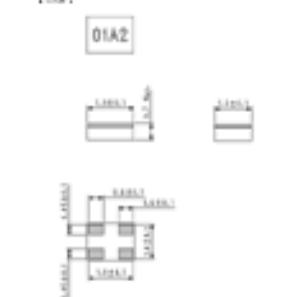
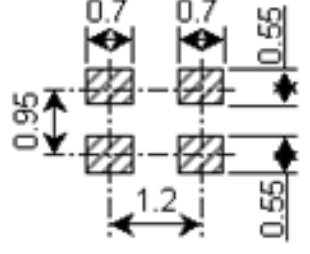
Standard Frequencies

Frequency (kHz) *3	Package	Resonance Resistance
6,000	F	800 Ω max. (Symbol: 9)
8,000	F	400 Ω max. (Symbol: 8)
12,000	G	300 Ω max. (Symbol: 0)
16,000	G	150 Ω max. (Symbol: 1)
24,000	H	300 Ω max. (Symbol: 0)

*3 Other frequencies are available. Please contact sales for part number.

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Package Dimensions

Package	Dimension	Package Drawing	Recommended Footprint
F Package	4.8mm x 2.1mm x 1.2mm *2	 <p>Expansion display</p>	<p>【 C7CF 】</p>  <p>(Units: mm)</p>
G Package	3.2mm x 2.1mm x 0.9mm *2	 <p>Expansion display</p>	<p>【 C7CG 】</p>  <p>(Units: mm)</p>
H Package	1.9mm x 1.5mm x 0.7mm *2	 <p>Expansion display</p>	<p>【 C7CH 】</p> 

*2 Value of T indicates maximum height.

Contact 

Please contact to the e-mail if you have any inquiries on these pages.

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