RENESAS 40MHz 3.2 x 2.5mm Reference Crystal

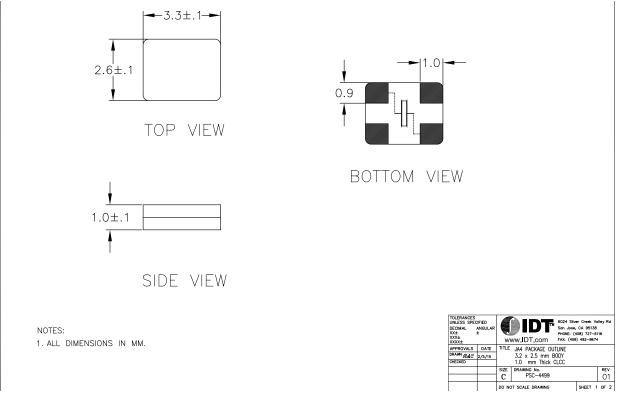
603-40-48

DATASHEET

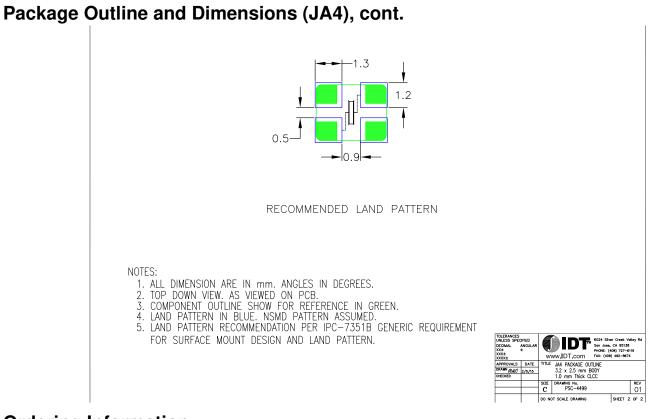
Specifications

Parameters	Ratings/Units	
Frequency	40.000 MHz	
Resonance Mode	Fundamental	
Frequency Tolerance @ 25°C	±20 PPM Max	
Frequency Stability, ref @ 25°C Over Operating Temperature Range	±20 PPM Max	
Temperature Range, Operating (TOPR)	-40°C ~ +85°C	
Temperature Range, Storage (TsTG)	-40°C ~ +85°C	
Equivalent Series Resistance (ESR)	30 Ohms Max	
Shunt Capacitance (Co)	5 pF Max	
Load Capacitance (CL)	12 pF	
Drive Level	0.3 mW Max	
Aging over 10 years	±10 PPM Max	
Maximum Soldering Temp / Time	260°C / 10 Seconds	
Moisture Sensitivity Level (MSL)	1	
Termination Finish:	Au	
Weight (TYP)	16.75 mg	
RoHS Compliant, Pb-free		

Package Outline and Dimensions (JA4)



RENESAS



Ordering Information

Part / Order Number	Shipping Packaging	Package	Temperature
603-40-48JA4I	Cut-Tape	3.2 x 2.5 x 1.0 mm JA4 CLCC	-40 to +85 °C
603-40-48JA4I8	Tape and Reel	3.2 x 2.5 x 1.0 mm JA4 CLCC	-40 to +85 °C

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Corporate Headquarters

TOYOSU FORESIA, 3-2-24 Toyosu, Koto-ku, Tokyo 135-0061, Japan www.renesas.com

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