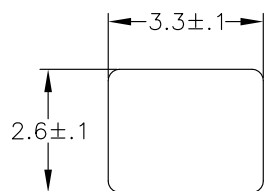


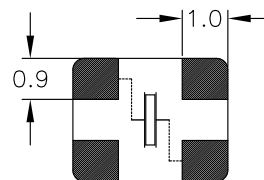
Specifications

Parameters	Ratings/Units
Frequency	24.000 MHz
Resonance Mode	Fundamental
Frequency Tolerance @ 25°C	±30 PPM Max
Frequency Stability, ref @ 25°C Over Operating Temperature Range	±30 PPM Max
Temperature Range, Operating (T _{OPR})	-40°C ~ +85°C
Temperature Range, Storage (T _{STG})	-40°C ~ +85°C
Equivalent Series Resistance (ESR)	90 Ohms Max
Shunt Capacitance (C ₀)	7 pF Max
Load Capacitance (C _L)	12 pF
Drive Level	0.1 mW Max
Aging	±5 PPM/Yr 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	

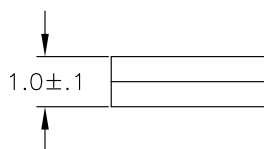
Package Outline and Dimensions (JA4)



TOP VIEW



BOTTOM VIEW

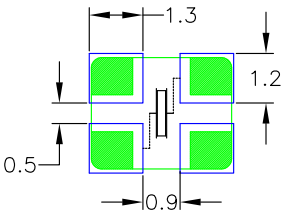


SIDE VIEW

NOTES:
1. ALL DIMENSIONS IN MM.

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DECIMAL	ANGULAR				
XXX	±				
XXXX					
XXXXX					
www.IDT.com					
APPROVALS	DATE	TITLE			
DRAWN <i>RAC</i>	2/5/15	JA4 PACKAGE OUTLINE			
CHECKED		3.2 x 2.5 mm BODY			
		1.0 mm Thick CLCC			
SIZE	DRAWING No.	REV			
C	PSC-4499	01			
DO NOT SCALE DRAWING		SHEET 1 OF 2			

Package Outline and Dimensions (JA4), cont.



RECOMMENDED LAND PATTERN

- NOTES:
- 1. ALL DIMENSION ARE IN mm. ANGLES IN DEGREES.
 - 2. TOP DOWN VIEW. AS VIEWED ON PCB.
 - 3. COMPONENT OUTLINE SHOW FOR REFERENCE IN GREEN.
 - 4. LAND PATTERN IN BLUE. NSMD PATTERN ASSUMED.
 - 5. LAND PATTERN RECOMMENDATION PER IPC-7351B GENERIC REQUIREMENT FOR SURFACE MOUNT DESIGN AND LAND PATTERN.

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DECIMAL	ANGULAR			
XXXS	°			
XXXS				
APPROVALS	DATE	TITLE		
DRAWN <i>gcl</i>	2/5/15	JA4 PACKAGE OUTLINE		
CHECKED		3.2 x 2.5 mm BODY		
		1.0 mm Thick CLCC		
		SIZE	DRAWING No.	REV
		C	PSC-4499	01
DO NOT SCALE DRAWING				SHEET 2 OF 2

Ordering Information

Part / Order Number	Shipping Packaging	Package	Temperature
603-24-127JA4I	Cut-Tape	3.2 x 2.5 x 1.0 mm JA4 CLCC	-40 to +85 °C
603-24-127JA4I8	Tape and Reel	3.2 x 2.5 x 1.0 mm JA4 CLCC	-40 to +85 °C



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