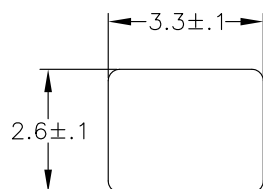


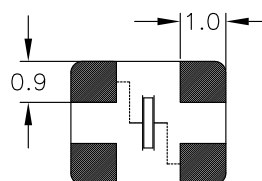
Specifications

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 (TOPR)	-40°C ~ +85°C
Temperature Range, Storage (TSTG)	-40°C ~ +85°C
Equivalent Series Resistance (ESR)	90 Ohms Max
Shunt Capacitance (Co)	7 pF Max
Load Capacitance (CL)	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	

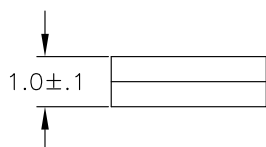
Package Outline and Dimensions (JA4)



TOP VIEW




BOTTOM VIEW

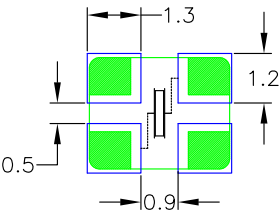


SIDE VIEW

NOTES:
1. ALL DIMENSIONS IN MM.


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DECIMAL	ANGULAR			San Jose, CA 95138	
XXX	±			PHONE: (408) 727-6116	
XXXX		www.IDT.com		FAX: (408) 492-8674	
XXXXX		TITLE JA4 PACKAGE OUTLINE			
APPROVALS		DATE		3.2 x 2.5 mm BODY	
DRAWN: <i>rac</i>		2/5/15		1.0 mm Thick CLCC	
CHECKED					
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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XXXS			
XXXX			
APPROVALS		DATE	TITLE
DRAWN: JAL		3/5/15	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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