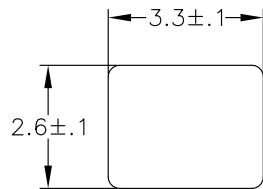


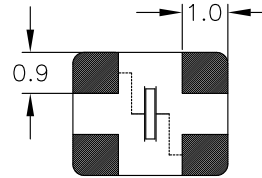
Specifications

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	

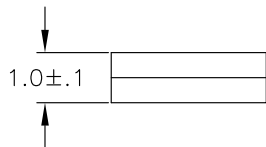
Package Outline and Dimensions (JA4)



TOP VIEW



BOTTOM VIEW

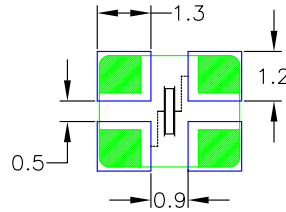


SIDE VIEW

NOTES:
1. ALL DIMENSIONS IN MM.

<small>TOLERANCES UNLESS SPECIFIED</small> DECIMAL ANGULAR XXX# # XXXX# XXXXX#		6024 Silver Creek Valley Rd San Jose, CA 95138 PHONE: (408) 727-6116 FAX: (408) 492-9674 www.IDT.com
APPROVALS	DATE	
DRAWN: 640	2/9/15	TITLE: JA4 PACKAGE OUTLINE 3.2 x 2.5 mm BODY 1.0 mm Thick CLCC
CHECKED:		SIZE: C DRAWING No.: PSC-4499 REV: 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.

TOLERANCES UNLESS SPECIFIED		 6024 Silver Creek Valley Rd San Jose, CA 95138 PHONE: (408) 721-4116 FAX: (408) 492-9874
DECIMAL	ANGULAR	
±	±	www.IDT.com
XXXS		
XXXX		
XXXXX		
APPROVALS	DATE	TITLE
DRAWN: REAG	2/2/15	JM4 PACKAGE OUTLINE
CHECKED		3.2 x 2.5 mm BODY
		1.0 mm Thick CLCC
	SIZE	DRAWING NO.
	C	PSC-4499
		REV
		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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