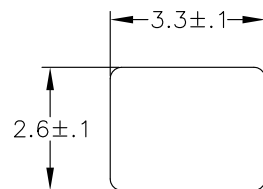


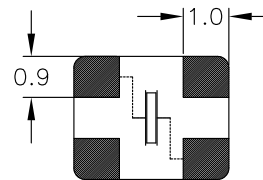
# Specifications

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	

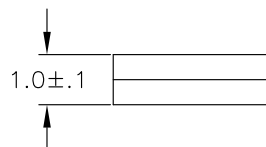
# Package Outline and Dimensions (JA4)



TOP VIEW



BOTTOM VIEW

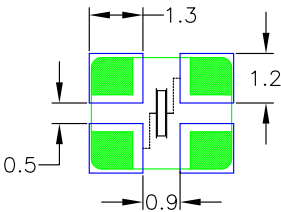


SIDE VIEW

NOTES:  
1. ALL DIMENSIONS IN MM.


TOLERANCES UNLESS SPECIFIED			<b>IDT™</b>	6024 Silver Creek Valley Rd	
DECIMAL	ANGULAR			San Jose, CA 95138	
XXX	±			PHONE: (408) 727-6116	
XXXX				FAX: (408) 492-8674	
XXXXX					
www.IDT.com					
APPROVALS DATE		TITLE JA4 PACKAGE OUTLINE			
DRAWN: 640		3.2 x 2.5 mm BODY			
CHECKED: 2/5/15		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	°			
XXXXX				
APPROVALS	DATE	TITLE		
DRAWN <b>REAG</b>	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
603-40-48JA4I	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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