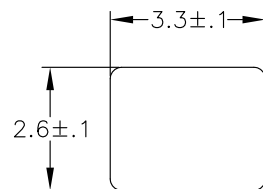


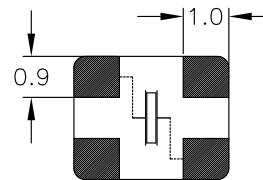
Specifications

Parameters	Ratings/Units
Frequency	38.880 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	

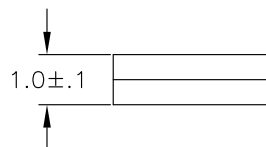
Package Outline and Dimensions (JA4)



TOP VIEW



BOTTOM VIEW

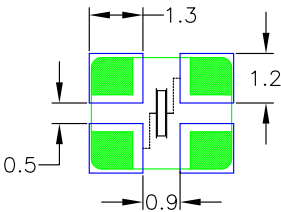


SIDE VIEW

NOTES:
1. ALL DIMENSIONS IN MM.


TOLERANCES UNLESS SPECIFIED		 IDT™	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:		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.

TOLERANCES UNLESS SPECIFIED DECIMAL ANGULAR XXXS XXXS		 www.IDT.com	6024 Silver Creek Valley Rd San Jose, CA 95138 PHONE: (408) 721-4716 FAX: (408) 492-9874
APPROVALS DATE			
DRAWN: JAL		TITLE: JA4 PACKAGE OUTLINE	
CHECKED:		3.2 x 2.5 mm BODY	
		1.0 mm Thick CLCC	
SIZE: C		DRAWING No. PSC-4499	REV 01
		DO NOT SCALE DRAWING SHEET 2 OF 2	

Ordering Information

Part / Order Number	Shipping Packaging	Package	Temperature
603-38.88-7JA4I	Cut-Tape	3.2 x 2.5 x 1.0 mm JA4 CLCC	-40 to +85 °C
603-38.88-7JA4I8	Tape and Reel	3.2 x 2.5 x 1.0 mm JA4 CLCC	-40 to +85 °C

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