



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

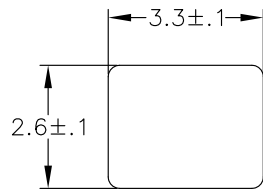
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



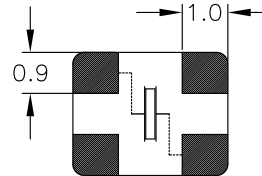
### Specifications

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	

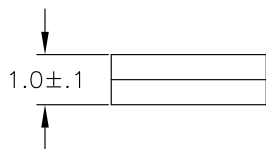
### Package Outline and Dimensions (JA4)



TOP VIEW



BOTTOM VIEW

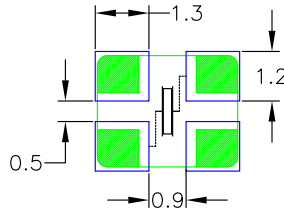


SIDE VIEW

NOTES:  
1. ALL DIMENSIONS IN MM.

<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 <a href="http://www.IDT.com">www.IDT.com</a>
APPROVALS	DATE	
DRAWN <b>640</b>	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) 721-4100 FAX: (408) 492-9874
DECIMAL	ANGULAR	
±	±	www.IDT.com
XXXS		
XXXX		
XXXXX		
APPROVALS	DATE	TITLE
DRAWN: <u>gac</u>	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
603-38.88-7JA4I	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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