

# Fox Part Number: 617-24.572675-1

**LEAD-FREE, CERAMIC, SMD, CRYSTAL**

**MODEL: C1BS** (Formerly FX216B Series)

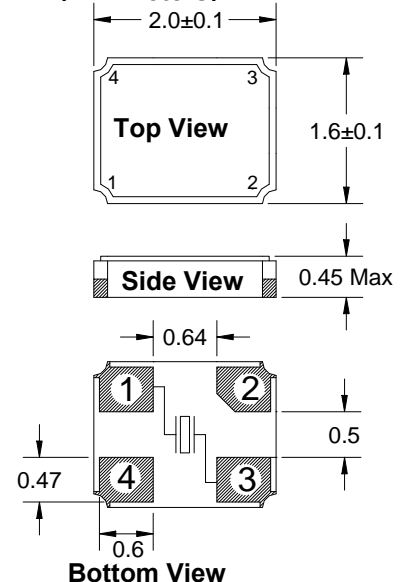
RoHS / REACH Compliant / Pb-Free

## A. Specifications

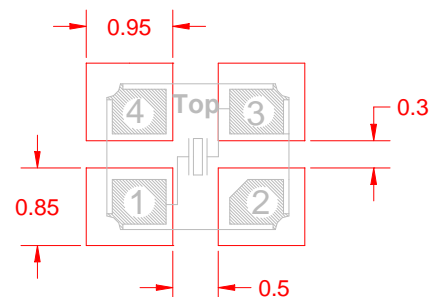
Parameters	
Frequency	24.572675 MHz
Resonance Mode	Fundamental
Frequency Tolerance @ 25°C	±15 PPM Max
Frequency Stability, ref @ 25°C Over Operating Temp. Range	±20 PPM Max
Temperature Range Operating (T <sub>OPR</sub> ) Storage (T <sub>STG</sub> )	-10°C ~ +55°C -55°C ~ +125°C
Equivalent Series Resistance (ESR)	130 Ohms Max
Shunt Capacitance (C <sub>0</sub> ) * <sup>(1)</sup> *	0.445 pF ±20%
Series Capacitance (C <sub>1</sub> )	1.2 fF ±20%
Load Capacitance (C <sub>L</sub> )	10 pF
Drive Level	50 µW Max
Aging per year	±2 PPM Max
Maximum Soldering Temp / Time	260°C / 10 Seconds
Moisture Sensitivity Level (MSL)	1
Termination Finish:	Au over Ni
Weight (TYP)	8.85 mg

\*<sup>(1)</sup>\* Including measurement fixture

## B. Mechanical / Dimensions (millimeters):



### Recommended Solder Pad Layout



\*For proper operation, pin 4 must be connected to GND.

**NOTE:** The above specifications, having been carefully prepared and checked, is believed to be accurate at the time of publication; however, no responsibility is assumed by Fox Electronics for inaccuracies.

Reference / Comments	Title / Description:		
Initial release	Drawing Number: DWG-101221	Rev: A	Size: A
	Part Number: 617-24.572675-1		Cage: 61429
	Draftsperson: AR	Approved: CR	Date: 03-07-2018

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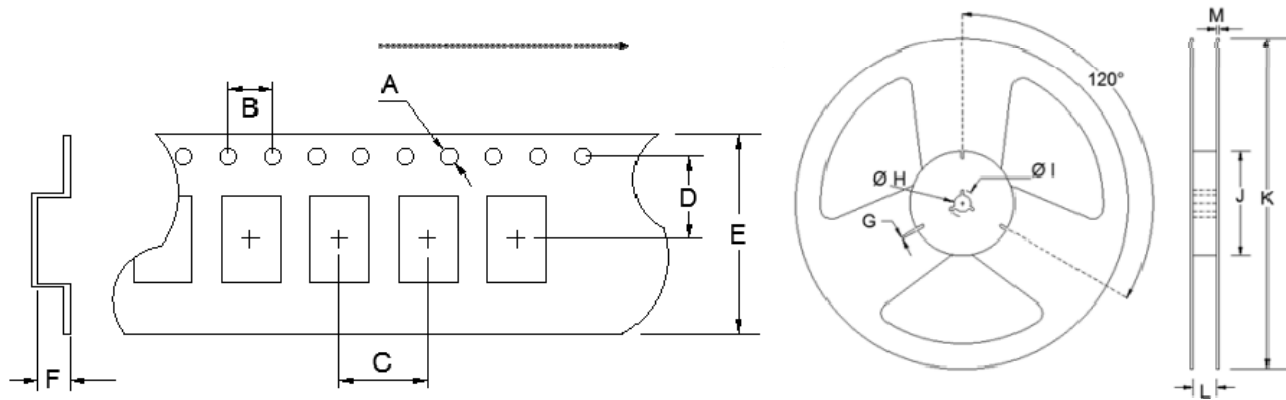
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## Tape & Reel Specification

### Tape Specifications (millimeters)

A	B	C	D	E	F	STD Reel QTY
Φ1.55	4.0	4.0	3.5	8.0	0.65	2,000



### Reel Specifications (millimeters)

G	H	I	J	K	L	M
2.0	Φ13	Φ21	Φ60	Φ180	9.0	2.0

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