



ALL RIGHTS RESERVED. NO PORTION OF THIS PUBLICATION, WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPC TECHNOLOGY.

SPC-F008.DWG

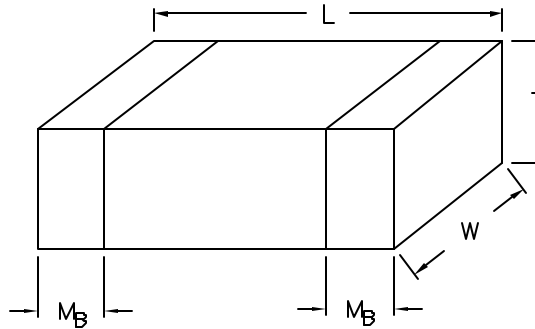
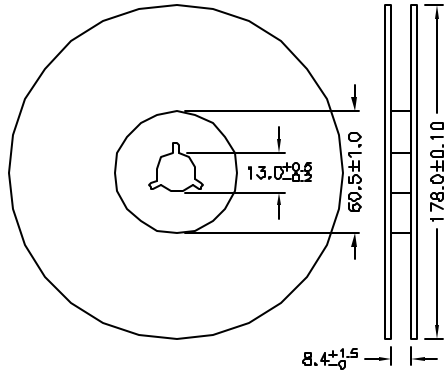
REVISIONS

DOC. NO. SPC-F008 \* Effective: 7/8/02 \* DCP No: 1308

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
2032	A	Released	JN	03/05/09	JWM	03/05/09	JWM	03/05/09



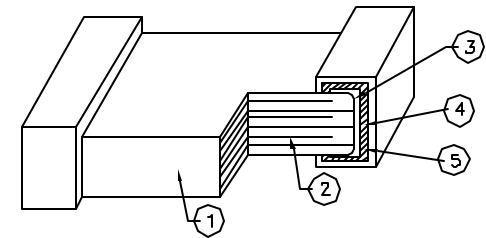
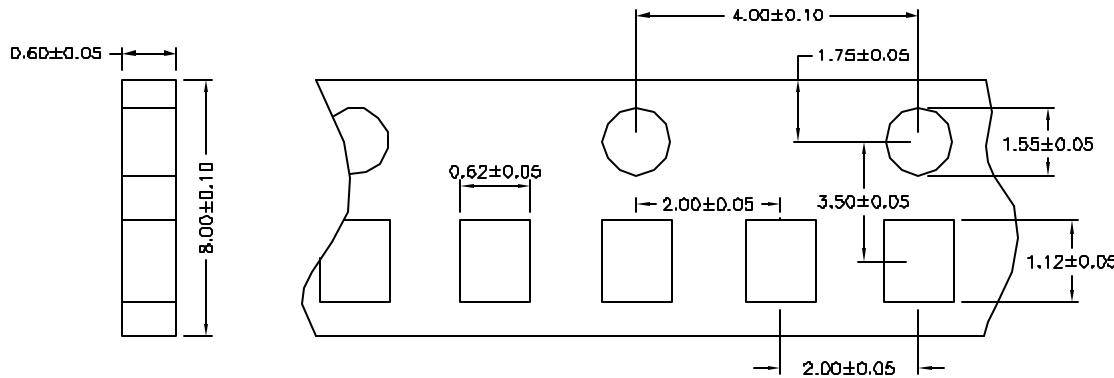
Tape & Reel Dimension



Capacitor Dimension

L (mm)	W (mm)	T (mm)	M <sub>B</sub>
1.00±0.05	0.50±0.05	0.50±0.05	0.50±0.20

NO.	Name	X7R/X5R/Y5V	
1	Ceramic material	BaTiO <sub>3</sub> based	
2	Inner electrode	Ni	
3	Termination	Inner layer	Cu
4		Middle layer	Ni
5		Outer layer	Sn (Matt)



DISCLAIMER:  
ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

TOLERANCES:  
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
Jason Nash	03/05/09
CHECKED BY:	DATE:
Jeff McVicker	03/05/09
APPROVED BY:	DATE:
Jeff McVicker	03/05/09

DRAWING TITLE:  
**High capacitance, Multilayer Ceramic Capacitors**

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	Ta-1103	Ta-1103.dwg	A
SCALE: NTS	U.O.M.: INCHES [mm]	SHEET: 1 OF 2	

Manufacturers part number	Sell Unit of Measure	Reel Quantity	Capacitance	Capacitance Tolerance	Dielectric Characteristic	Package/Case	Voltage Rating
MC0402X224K6R3CT	TR	10000	0.22 µF	± 10%	X5R	0402	6.3 VDC
MC0402X224K6R3CT	TC		0.22 µF	± 10%	X5R	0402	6.3 VDC
MC0402X224M6R3CT	TC		0.22 µF	± 20%	X5R	0402	6.3 VDC
MC0402X474K6R3CT	TR	10000	0.47 µF	± 10%	X5R	0402	6.3 VDC
MC0402X474K6R3CT	TC		0.47 µF	± 10%	X5R	0402	6.3 VDC
MC0402X474M6R3CT	TC		0.47 µF	± 20%	X5R	0402	6.3 VDC
MC0402X105K6R3CT	TR	10000	1 µF	± 10%	X5R	0402	6.3 VDC
MC0402X105M6R3CT	TR	10000	1 µF	± 20%	X5R	0402	6.3 VDC
MC0402X105K6R3CT	TC		1 µF	± 10%	X5R	0402	6.3 VDC
MC0402X105M6R3CT	TC		1 µF	± 20%	X5R	0402	6.3 VDC
MC0402X225M6R3CT	TR	10000	2.2 µF	± 20%	X5R	0402	6.3 VDC
MC0402X225M6R3CT	TC		2.2 µF	± 20%	X5R	0402	6.3 VDC
MC0402X563K100CT	TR	10000	0.056 µF	± 10%	X5R	0402	10 VDC
MC0402X563K100CT	TC		0.056 µF	± 10%	X5R	0402	10 VDC
MC0402X683K100CT	TR	10000	0.068 µF	± 10%	X5R	0402	10 VDC
MC0402X683K100CT	TC		0.068 µF	± 10%	X5R	0402	10 VDC
MC0402X683M100CT	TC		0.068 µF	± 20%	X5R	0402	10 VDC
MC0402X823K100CT	TR	10000	0.082 µF	± 10%	X5R	0402	10 VDC
MC0402X823K100CT	TC		0.082 µF	± 10%	X5R	0402	10 VDC
MC0402X104K100CT	TR	10000	0.1 µF	± 10%	X5R	0402	10 VDC
MC0402X104K100CT	TC		0.1 µF	± 10%	X5R	0402	10 VDC
MC0402X104M100CT	TC		0.1 µF	± 20%	X5R	0402	10 VDC
MC0402X105M100CT	TR	10000	1 µF	± 20%	X5R	0402	10 VDC
MC0402X105M100CT	TC		1 µF	± 20%	X5R	0402	10 VDC
MC0402X273K160CT	TR	10000	0.027 µF	± 10%	X5R	0402	16 VDC
MC0402X273K160CT	TC		0.027 µF	± 10%	X5R	0402	16 VDC
MC0402X333K160CT	TR	10000	0.033 µF	± 10%	X5R	0402	16 VDC
MC0402X333K160CT	TC		0.033 µF	± 10%	X5R	0402	16 VDC
MC0402X393K160CT	TR	10000	0.039 µF	± 10%	X5R	0402	16 VDC
MC0402X393K160CT	TC		0.039 µF	± 10%	X5R	0402	16 VDC
MC0402X473K160CT	TR	10000	0.047 µF	± 10%	X5R	0402	16 VDC
MC0402X473K160CT	TC		0.047 µF	± 10%	X5R	0402	16 VDC
MC0402X683K160CT	TR	10000	0.068 µF	± 10%	X5R	0402	16 VDC
MC0402X683K160CT	TC		0.068 µF	± 10%	X5R	0402	16 VDC
MC0402X104K160CT	TR	10000	0.1 µF	± 10%	X5R	0402	16 VDC
MC0402X104K160CT	TC		0.1 µF	± 10%	X5R	0402	16 VDC
MC0402X104M160CT	TC		0.1 µF	± 20%	X5R	0402	16 VDC
MC0402X224K160CT	TR	10000	0.22 µF	± 10%	X5R	0402	16 VDC
MC0402X224K160CT	TC		0.22 µF	± 10%	X5R	0402	16 VDC

ALL RIGHTS RESERVED. NO PORTION OF THIS PUBLICATION, WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPC TECHNOLOGY.

SIZE

A

DWG. NO.

Ta-1103

ELECTRONIC FILE

Ta-1103.DWG

REV

A