multicomp

SPC-F005.DWG

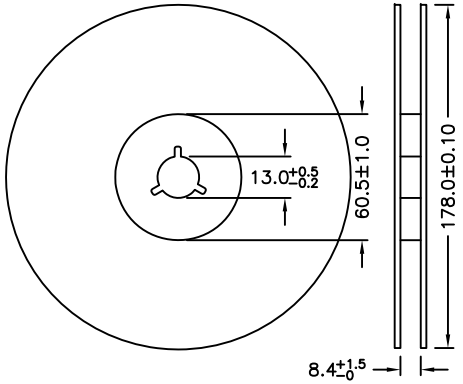
REVISIONS

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
2032	A	Released	JN	03/05/09	JWM	03/05/09	JWM	03/05/09
2050	B	Additional Parts Added	JN	06/01/09	JN	06/01/09	JN	06/01/09

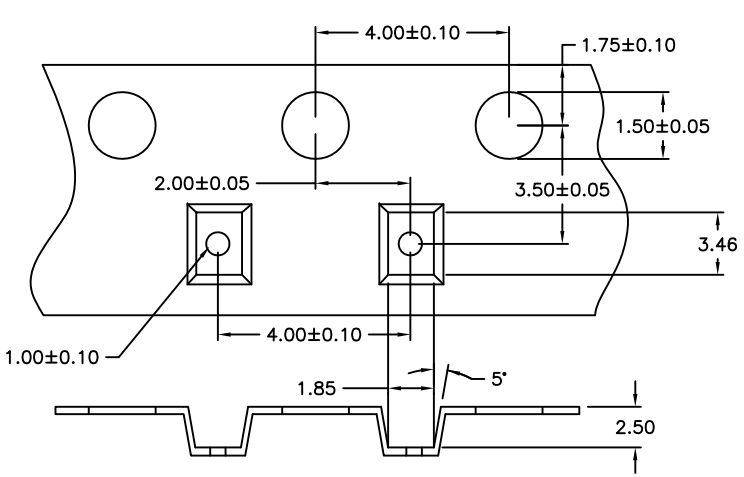
RoHS Compliant

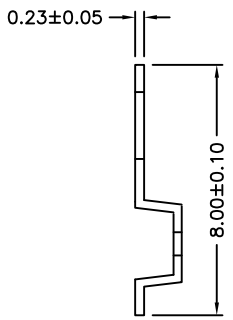
Tape & Reel Dimension



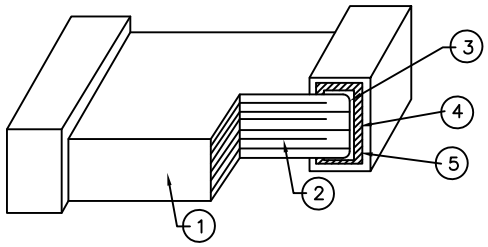
Capacitor Dimension		
L (mm)	W (mm)	M_B
3.20±0.15	1.60±0.15	0.60±0.20

Plastic Tape





NO.	Name		X7R/X5R/Y5V
1	Ceramic material		BaTiO3 based
2	Inner electrode		Ni
3	Termination	Inner layer	Cu
4		Middle layer	Ni
5		Outer layer	Sn (Matt)



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-1106	Ta-1106.dwg	B

SCALE: NTS | U.O.M.: INCHES [mm] | SHEET: 1 OF 3

Manufacturers part number	Sell Unit of Measure	Reel Quantity	Capacitance	Capacitance Tolerance	Dielectric Characteristic	Package/Case	Voltage Rating
MC1206B155K100CT	TC		1.5 µF	± 10%	X7R	1206	10 VDC
MC1206B155K100CT	TR	3000	1.5 µF	± 10%	X7R	1206	10 VDC
MC1206F106Z100CT	TC		10 µF	+80, -20%	Y5V	1206	10 VDC
MC1206F106Z100CT	TR	3000	10 µF	+80, -20%	Y5V	1206	10 VDC
MC1206F226Z100CT	TC		22 µF	+80, -20%	Y5V	1206	10 VDC
MC1206F226Z100CT	TR	2000	22 µF	+80, -20%	Y5V	1206	10 VDC
MC1206B105K160CT	TC		1 µF	± 10%	X7R	1206	16 VDC
MC1206B105K160CT	TR	3000	1 µF	± 10%	X7R	1206	16 VDC
MC1206B105M160CT	TC		1 µF	± 20%	X7R	1206	16 VDC
MC1206F105Z160CT	TC		1 µF	+80, -20%	Y5V	1206	16 VDC
MC1206F105Z160CT	TR	3000	1 µF	+80, -20%	Y5V	1206	16 VDC
MC1206B155K160CT	TC		1.5 µF	± 10%	X7R	1206	16 VDC
MC1206B155K160CT	TR	3000	1.5 µF	± 10%	X7R	1206	16 VDC
MC1206F155Z160CT	TC		1.5 µF	+80, -20%	Y5V	1206	16 VDC
MC1206F155Z160CT	TR	3000	1.5 µF	+80, -20%	Y5V	1206	16 VDC
MC1206F106Z160CT	TC		10 µF	+80, -20%	Y5V	1206	16 VDC
MC1206F106Z160CT	TR	3000	10 µF	+80, -20%	Y5V	1206	16 VDC
MC1206B225K160CT	TC		2.2 µF	± 10%	X7R	1206	16 VDC
MC1206B225K160CT	TR	3000	2.2 µF	± 10%	X7R	1206	16 VDC
MC1206B225M160CT	TC		2.2 µF	± 20%	X7R	1206	16 VDC
MC1206F225Z160CT	TC		2.2 µF	+80, -20%	Y5V	1206	16 VDC
MC1206F225Z160CT	TR	3000	2.2 µF	+80, -20%	Y5V	1206	16 VDC
MC1206F335Z160CT	TC		3.3 µF	+80, -20%	Y5V	1206	16 VDC
MC1206F335Z160CT	TR	3000	3.3 µF	+80, -20%	Y5V	1206	16 VDC
MC1206F475Z160CT	TC		4.7 µF	+80, -20%	Y5V	1206	16 VDC
MC1206F475Z160CT	TR	3000	4.7 µF	+80, -20%	Y5V	1206	16 VDC
MC1206B105K250CT	TC		1 µF	± 10%	X7R	1206	25 VDC
MC1206B105K250CT	TR	3000	1 µF	± 10%	X7R	1206	25 VDC
MC1206B105M250CT	TC		1 µF	± 20%	X7R	1206	25 VDC
MC1206F105Z250CT	TC		1 µF	+80, -20%	Y5V	1206	25 VDC
MC1206F105Z250CT	TR	3000	1 µF	+80, -20%	Y5V	1206	25 VDC
MC1206F155Z250CT	TC		1.5 µF	+80, -20%	Y5V	1206	25 VDC
MC1206F155Z250CT	TR	3000	1.5 µF	+80, -20%	Y5V	1206	25 VDC
MC1206F106Z250CT	TC		10 µF	+80, -20%	Y5V	1206	25 VDC
MC1206F106Z250CT	TR	3000	10 µF	+80, -20%	Y5V	1206	25 VDC
MC1206F225Z250CT	TC		2.2 µF	+80, -20%	Y5V	1206	25 VDC
MC1206F225Z250CT	TR	3000	2.2 µF	+80, -20%	Y5V	1206	25 VDC
MC1206F475Z250CT	TC		4.7 µF	+80, -20%	Y5V	1206	25 VDC
MC1206F475Z250CT	TR	3000	4.7 µF	+80, -20%	Y5V	1206	25 VDC
MC1206B105K500CT	TC		1 µF	± 10%	X7R	1206	50 VDC
MC1206B105K500CT	TR	2000	1 µF	± 10%	X7R	1206	50 VDC
MC1206F105Z500CT	TC		1 µF	+80, -20%	Y5V	1206	50 VDC
MC1206F105Z500CT	TR	3000	1 µF	+80, -20%	Y5V	1206	50 VDC

Manufacturers part number	Sell Unit of Measure	Reel Quantity	Capacitance	Capacitance Tolerance	Dielectric Characteristic	Package/Case	Voltage Rating
MC1206X106K6R3CT	TC		10 µF	± 10%	X5R	1206	6.3 VDC
MC1206X106K6R3CT	TR	3000	10 µF	± 10%	X5R	1206	6.3 VDC
MC1206X226M6R3CT	TC		22 µF	± 20%	X5R	1206	6.3 VDC
MC1206X226M6R3CT	TR	2000	22 µF	± 20%	X5R	1206	6.3 VDC
MC1206X475K6R3CT	TC		4.7 µF	± 10%	X5R	1206	6.3 VDC
MC1206X475K6R3CT	TR	3000	4.7 µF	± 10%	X5R	1206	6.3 VDC
MC1206X475M6R3CT	TC		4.7 µF	± 20%	X5R	1206	6.3 VDC
MC1206X106K100CT	TC		10 µF	± 10%	X5R	1206	10 VDC
MC1206X106M100CT	TC		10 µF	± 20%	X5R	1206	10 VDC
MC1206X106M100CT	TR	3000	10 µF	± 20%	X5R	1206	10 VDC
MC1206X225K100CT	TC		2.2 µF	± 10%	X5R	1206	10 VDC
MC1206X225K100CT	TR	3000	2.2 µF	± 10%	X5R	1206	10 VDC
MC1206X225M100CT	TC		2.2 µF	± 20%	X5R	1206	10 VDC
MC1206X226M100CT	TC		22 µF	± 20%	X5R	1206	10 VDC
MC1206X226M100CT	TR	2000	22 µF	± 20%	X5R	1206	10 VDC
MC1206X335K100CT	TC		3.3 µF	± 10%	X5R	1206	10 VDC
MC1206X335K100CT	TR	3000	3.3 µF	± 10%	X5R	1206	10 VDC
MC1206X475K100CT	TC		4.7 µF	± 10%	X5R	1206	10 VDC
MC1206X475K100CT	TR	3000	4.7 µF	± 10%	X5R	1206	10 VDC
MC1206X475M100CT	TC		4.7 µF	± 20%	X5R	1206	10 VDC
MC1206X475M100CT	TR	3000	4.7 µF	± 20%	X5R	1206	10 VDC
MC1206X106K160CT	TC		10 µF	± 10%	X5R	1206	16 VDC
MC1206X106K160CT	TR	3000	10 µF	± 10%	X5R	1206	16 VDC
MC1206X106M160CT	TC		10 µF	± 20%	X5R	1206	16 VDC
MC1206X106M160CT	TR	3000	10 µF	± 20%	X5R	1206	16 VDC
MC1206X475K160CT	TC		4.7 µF	± 10%	X5R	1206	16 VDC
MC1206X475K160CT	TR	3000	4.7 µF	± 10%	X5R	1206	16 VDC
MC1206X475M160CT	TC		4.7 µF	± 20%	X5R	1206	16 VDC
MC1206X475M160CT	TR	3000	4.7 µF	± 20%	X5R	1206	16 VDC
MC1206X106K250CT	TC		10 µF	± 10%	X5R	1206	25 VDC
MC1206X106K250CT	TR	3000	10 µF	± 10%	X5R	1206	25 VDC
MC1206X106M250CT	TC		10 µF	± 20%	X5R	1206	25 VDC
MC1206X106M250CT	TR	3000	10 µF	± 20%	X5R	1206	25 VDC
MC1206X225K250CT	TC		2.2 µF	± 10%	X5R	1206	25 VDC
MC1206X225K250CT	TR	3000	2.2 µF	± 10%	X5R	1206	25 VDC
MC1206X225M250CT	TC		2.2 µF	± 20%	X5R	1206	25 VDC
MC1206X475K250CT	TC		4.7 µF	± 10%	X5R	1206	25 VDC
MC1206X475K250CT	TR	3000	4.7 µF	± 10%	X5R	1206	25 VDC
MC1206X475M250CT	TC		4.7 µF	± 20%	X5R	1206	25 VDC
MC1206X475M250CT	TR	3000	4.7 µF	± 20%	X5R	1206	25 VDC