



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

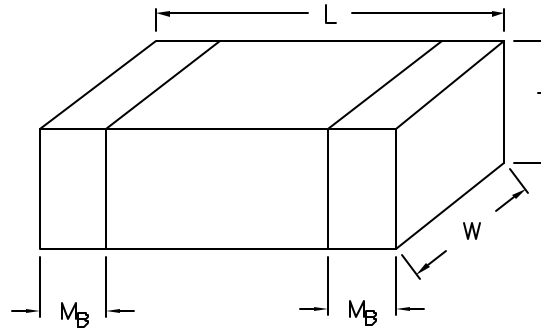
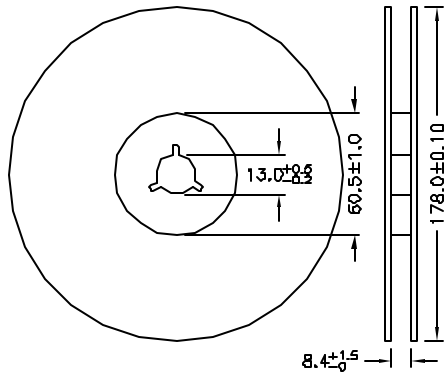
REVISIONS

DOC. NO. SPC-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

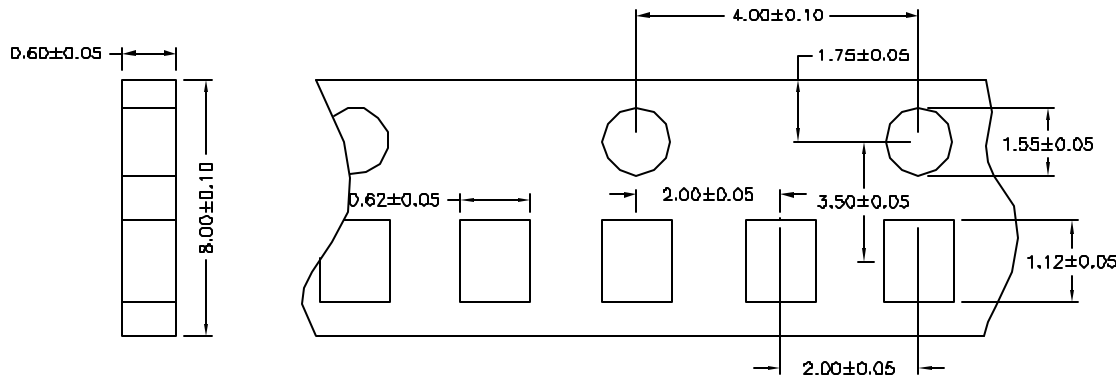


Tape & Reel Dimension

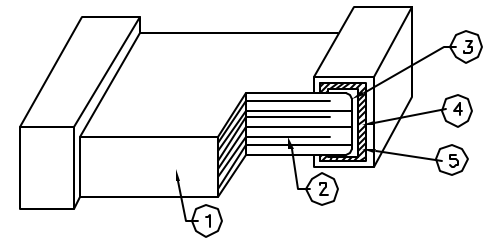


Capacitor Dimension

L (mm)	W (mm)	T (mm)	M _B
1.00±0.05	0.50±0.05	0.50±0.05	0.25 ^{+0.05} _{-0.10}



NO.	Name	NPO/X7R	X7R/X5R/Y5V
1	Ceramic material	BaTiO ₃ based	
2	Inner electrode	AgPd alloy	Ni
3	Termination	Inner layer	Ag
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:

Multilayer Ceramic Capacitors

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	Ta-1097	Ta-1097.dwg	A
SCALE: NTS		U.O.M.: INCHES [mm]	SHEET: 1 OF 4

Manufacturers part number	Sell Unit of Measure	Reel Quantity	Capacitance	Capacitance Tolerance	Dielectric Characteristic	Package/Case	Voltage Rating
MC0402X104K100CT	TC		0.01 μ F	$\pm 10\%$	X5R	0402	10 VDC
MC0402X104K100CT	TR	10000	0.01 μ F	$\pm 10\%$	X5R	0402	10 VDC
MC0402X104M100CT	TC		0.01 μ F	$\pm 20\%$	X5R	0402	10 VDC
MC0402X563K100CT	TC		0.056 μ F	$\pm 10\%$	X5R	0402	10 VDC
MC0402X563K100CT	TR	10000	0.056 μ F	$\pm 10\%$	X5R	0402	10 VDC
MC0402X683K100CT	TC		0.068 μ F	$\pm 10\%$	X5R	0402	10 VDC
MC0402X683K100CT	TR	10000	0.068 μ F	$\pm 10\%$	X5R	0402	10 VDC
MC0402X683M100CT	TC		0.068 μ F	$\pm 20\%$	X5R	0402	10 VDC
MC0402X823K100CT	TC		0.082 μ F	$\pm 10\%$	X5R	0402	10 VDC
MC0402X823K100CT	TR	10000	0.082 μ F	$\pm 10\%$	X5R	0402	10 VDC
MC0402F224Z100CT	TC		0.22 μ F	+80, -20%	Y5V	0402	10 VDC
MC0402F224Z100CT	TR	10000	0.22 μ F	+80, -20%	Y5V	0402	10 VDC
MC0402X105M100CT	TC		1 μ F	$\pm 20\%$	X5R	0402	10 VDC
MC0402X105M100CT	TR	10000	1 μ F	$\pm 20\%$	X5R	0402	10 VDC
MC0402B103K160CT	TR	10000	0.01 μ F	$\pm 10\%$	X7R	0402	16 VDC
MC0402B103K160CT	TC		0.01 μ F	$\pm 10\%$	X7R	0402	16 VDC
MC0402B103M160CT	TC		0.01 μ F	$\pm 20\%$	X7R	0402	16 VDC
MC0402B104K160CT	TC		0.01 μ F	$\pm 10\%$	X7R	0402	16 VDC
MC0402B104K160CT	TR	10000	0.01 μ F	$\pm 10\%$	X7R	0402	16 VDC
MC0402F104Z160CT	TC		0.01 μ F	+80, -20%	Y5V	0402	16 VDC
MC0402F104Z160CT	TR	10000	0.01 μ F	+80, -20%	Y5V	0402	16 VDC
MC0402X104K160CT	TC		0.01 μ F	$\pm 10\%$	X5R	0402	16 VDC
MC0402X104K160CT	TR	10000	0.01 μ F	$\pm 10\%$	X5R	0402	16 VDC
MC0402X104M160CT	TC		0.01 μ F	$\pm 20\%$	X5R	0402	16 VDC
MC0402B123K160CT	TC		0.012 μ F	$\pm 10\%$	X7R	0402	16 VDC
MC0402B123K160CT	TR	10000	0.012 μ F	$\pm 10\%$	X7R	0402	16 VDC
MC0402B183K160CT	TC		0.018 μ F	$\pm 10\%$	X7R	0402	16 VDC
MC0402B183K160CT	TR	10000	0.018 μ F	$\pm 10\%$	X7R	0402	16 VDC
MC0402B223K160CT	TC		0.022 μ F	$\pm 10\%$	X7R	0402	16 VDC
MC0402B223K160CT	TR	10000	0.022 μ F	$\pm 10\%$	X7R	0402	16 VDC
MC0402B223M160CT	TC		0.022 μ F	$\pm 20\%$	X7R	0402	16 VDC
MC0402F223Z160CT	TC		0.022 μ F	+80, -20%	Y5V	0402	16 VDC
MC0402F223Z160CT	TR	10000	0.022 μ F	+80, -20%	Y5V	0402	16 VDC
MC0402X273K160CT	TC		0.027 μ F	$\pm 10\%$	X5R	0402	16 VDC
MC0402X273K160CT	TR	10000	0.027 μ F	$\pm 10\%$	X5R	0402	16 VDC
MC0402F333Z160CT	TC		0.033 μ F	+80, -20%	Y5V	0402	16 VDC
MC0402F333Z160CT	TR	10000	0.033 μ F	+80, -20%	Y5V	0402	16 VDC
MC0402X333K160CT	TC		0.033 μ F	$\pm 10\%$	X5R	0402	16 VDC
MC0402X333K160CT	TR	10000	0.033 μ F	$\pm 10\%$	X5R	0402	16 VDC
MC0402X393K160CT	TC		0.039 μ F	$\pm 10\%$	X5R	0402	16 VDC
MC0402X393K160CT	TR	10000	0.039 μ F	$\pm 10\%$	X5R	0402	16 VDC
MC0402F473Z160CT	TC		0.047 μ F	+80, -20%	Y5V	0402	16 VDC
MC0402F473Z160CT	TR	10000	0.047 μ F	+80, -20%	Y5V	0402	16 VDC

Manufacturers part number	Sell Unit of Measure	Reel Quantity	Capacitance	Capacitance Tolerance	Dielectric Characteristic	Package/Case	Voltage Rating
MC0402X683K160CT	TR	10000	0.068 μ F	$\pm 10\%$	X5R	0402	16 VDC
MC0402B153K160CT	TC		0.15 μ F	$\pm 10\%$	X7R	0402	16 VDC
MC0402B153K160CT	TR	10000	0.15 μ F	$\pm 10\%$	X7R	0402	16 VDC
MC0402B153M160CT	TC		0.15 μ F	$\pm 20\%$	X7R	0402	16 VDC
MC0402F153Z160CT	TR	10000	0.15 μ F	+80, -20%	Y5V	0402	16 VDC
MC0402F153Z160CT	TC		0.15 μ F	+80, -20%	Y5V	0402	16 VDC
MC0402X224K160CT	TC		0.22 μ F	$\pm 10\%$	X5R	0402	16 VDC
MC0402X224K160CT	TR	10000	0.22 μ F	$\pm 10\%$	X5R	0402	16 VDC
MC0402B562K160CT	TC		5600 pF	$\pm 10\%$	X7R	0402	16 VDC
MC0402B562K160CT	TR	10000	5600 pF	$\pm 10\%$	X7R	0402	16 VDC
MC0402B682K160CT	TC		6800 pF	$\pm 10\%$	X7R	0402	16 VDC
MC0402B682K160CT	TR	10000	6800 pF	$\pm 10\%$	X7R	0402	16 VDC
MC0402B822K160CT	TC		8200 pF	$\pm 10\%$	X7R	0402	16 VDC
MC0402B822K160CT	TR	10000	8200 pF	$\pm 10\%$	X7R	0402	16 VDC
MC0402B103K250CT	TC		0.01 μ F	$\pm 10\%$	X7R	0402	25 VDC
MC0402B103K250CT	TR	10000	0.01 μ F	$\pm 10\%$	X7R	0402	25 VDC
MC0402B103M250CT	TC		0.01 μ F	$\pm 20\%$	X7R	0402	25 VDC
MC0402F103Z250CT	TC		0.01 μ F	+80, -20%	Y5V	0402	25 VDC
MC0402F103Z250CT	TR	10000	0.01 μ F	+80, -20%	Y5V	0402	25 VDC
MC0402F223Z250CT	TC		0.022 μ F	+80, -20%	Y5V	0402	25 VDC
MC0402F223Z250CT	TR	10000	0.022 μ F	+80, -20%	Y5V	0402	25 VDC
MC0402F153Z250CT	TC		0.15 μ F	+80, -20%	Y5V	0402	25 VDC
MC0402F153Z250CT	TR	10000	0.15 μ F	+80, -20%	Y5V	0402	25 VDC
MC0402B101K250CT	TR	10000	100 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B101K250CT	TC		100 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B102K250CT	TC		1000 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B102K250CT	TR	10000	1000 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B121K250CT	TC		120 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B121K250CT	TR	10000	120 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B122K250CT	TC		1200 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B122K250CT	TR	10000	1200 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B151K250CT	TC		150 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B151K250CT	TR	10000	150 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B152K250CT	TC		1500 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B152K250CT	TR	10000	1500 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B181K250CT	TC		180 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B181K250CT	TR	10000	180 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B182K250CT	TC		1800 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B182K250CT	TR	10000	1800 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B221K250CT	TC		220 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B221K250CT	TR	10000	220 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B222K250CT	TC		2200 pF	$\pm 10\%$	X7R	0402	25 VDC
MC0402B222K250CT	TR	10000	2200 pF	$\pm 10\%$	X7R	0402	25 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.

SPC-F005.DWG

DOC. NO. SPC-F005 * Effective: 7/5/02 * DCP No: 1385

SIZE
A

DWG. NO.

Ta-1097

ELECTRONIC FILE
Ta-1097.DWG

REV
A

SCALE: NTS

U.O.M.: Millimeters

SHEET: 2 OF 4

Manufacturers part number	Sell Unit of Measure	Reel Quantity	Capacitance	Capacitance Tolerance	Dielectric Characteristic	Package/Case	Voltage Rating
MC0402B331K250CT	TC		330 pF	± 10%	X7R	0402	25 VDC
MC0402B332K250CT	TC		3300 pF	± 10%	X7R	0402	25 VDC
MC0402B332K250CT	TR	10000	3300 pF	± 10%	X7R	0402	25 VDC
MC0402B391K250CT	TC		390 pF	± 10%	X7R	0402	25 VDC
MC0402B391K250CT	TR	10000	390 pF	± 10%	X7R	0402	25 VDC
MC0402B392K250CT	TC		3900 pF	± 10%	X7R	0402	25 VDC
MC0402B392K250CT	TR	10000	3900 pF	± 10%	X7R	0402	25 VDC
MC0402B471K250CT	TC		470 pF	± 10%	X7R	0402	25 VDC
MC0402B471K250CT	TR	10000	470 pF	± 10%	X7R	0402	25 VDC
MC0402B472K250CT	TC		4700 pF	± 10%	X7R	0402	25 VDC
MC0402B472K250CT	TR	10000	4700 pF	± 10%	X7R	0402	25 VDC
MC0402B472M250CT	TC		4700 pF	± 20%	X7R	0402	25 VDC
MC0402B561K250CT	TC		560 pF	± 10%	X7R	0402	25 VDC
MC0402B561K250CT	TR	10000	560 pF	± 10%	X7R	0402	25 VDC
MC0402B562K250CT	TC		5600 pF	± 10%	X7R	0402	25 VDC
MC0402B562K250CT	TR	10000	5600 pF	± 10%	X7R	0402	25 VDC
MC0402B681K250CT	TC		680 pF	± 10%	X7R	0402	25 VDC
MC0402B681K250CT	TR	10000	680 pF	± 10%	X7R	0402	25 VDC
MC0402B682K250CT	TC		6800 pF	± 10%	X7R	0402	25 VDC
MC0402B682K250CT	TR	10000	6800 pF	± 10%	X7R	0402	25 VDC
MC0402B682M250CT	TC		6800 pF	± 20%	X7R	0402	25 VDC
MC0402B821K250CT	TR	10000	820 pF	± 10%	X7R	0402	25 VDC
MC0402B821K250CT	TC		820 pF	± 10%	X7R	0402	25 VDC
MC0402B822K250CT	TC		8200 pF	± 10%	X7R	0402	25 VDC
MC0402B822K250CT	TR	10000	8200 pF	± 10%	X7R	0402	25 VDC
MC0402F103Z500CT	TC		0.01 µF	+80, -20%	Y5V	0402	50 VDC
MC0402F103Z500CT	TR	10000	0.01 µF	+80, -20%	Y5V	0402	50 VDC
MC0402N0R5C500LT	TC		0.5 pF	± 0.25pF	NP0	0402	50 VDC
MC0402N0R5C500LT	TR	10000	0.5 pF	± 0.25pF	NP0	0402	50 VDC
MC0402N1R0C500LT	TC		1 pF	± 0.25pF	NP0	0402	50 VDC
MC0402N1R0C500LT	TR	10000	1 pF	± 0.25pF	NP0	0402	50 VDC
MC0402N1R0D500LT	TC		1 pF	± 0.5pF	NP0	0402	50 VDC
MC0402N1R5C500LT	TC		1.5 pF	± 0.25pF	NP0	0402	50 VDC
MC0402N1R5C500LT	TR	10000	1.5 pF	± 0.25pF	NP0	0402	50 VDC
MC0402N1R5D500LT	TC		1.5 pF	± 0.5pF	NP0	0402	50 VDC
MC0402N100D500CT	TC		10 pF	± 0.5pF	NP0	0402	50 VDC
MC0402N100D500CT	TR	10000	10 pF	± 0.5pF	NP0	0402	50 VDC
MC0402N100F500CT	TC		10 pF	± 1%	NP0	0402	50 VDC
MC0402B101K500CT	TC		100 pF	± 10%	X7R	0402	50 VDC
MC0402B101K500CT	TR	10000	100 pF	± 10%	X7R	0402	50 VDC
MC0402B101M500CT	TC		100 pF	± 20%	X7R	0402	50 VDC
MC0402N101J500CT	TC		100 pF	± 5%	NP0	0402	50 VDC
MC0402N101J500CT	TR	10000	100 pF	± 5%	NP0	0402	50 VDC

Manufacturers part number	Sell Unit of Measure	Reel Quantity	Capacitance	Capacitance Tolerance	Dielectric Characteristic	Package/Case	Voltage Rating
MC0402N110J500CT	TR	10000	11 pF	± 5%	NP0	0402	50 VDC
MC0402N111J500CT	TC		110 pF	± 5%	NP0	0402	50 VDC
MC0402N111J500CT	TR	10000	110 pF	± 5%	NP0	0402	50 VDC
MC0402N120J500CT	TC		12 pF	± 5%	NP0	0402	50 VDC
MC0402N120J500CT	TR	10000	12 pF	± 5%	NP0	0402	50 VDC
MC0402N120K500CT	TC		12 pF	± 10%	NP0	0402	50 VDC
MC0402B121K500CT	TC		120 pF	± 10%	X7R	0402	50 VDC
MC0402B121K500CT	TR	10000	120 pF	± 10%	X7R	0402	50 VDC
MC0402N121J500CT	TC		120 pF	± 5%	NP0	0402	50 VDC
MC0402N121J500CT	TR	10000	120 pF	± 5%	NP0	0402	50 VDC
MC0402N121K500CT	TC		120 pF	± 10%	NP0	0402	50 VDC
MC0402B122K500CT	TC		1200 pF	± 10%	X7R	0402	50 VDC
MC0402B122K500CT	TR	10000	1200 pF	± 10%	X7R	0402	50 VDC
MC0402N130J500CT	TC		13 pF	± 5%	NP0	0402	50 VDC
MC0402N130J500CT	TR	10000	13 pF	± 5%	NP0	0402	50 VDC
MC0402N131J500CT	TC		130 pF	± 5%	NP0	0402	50 VDC
MC0402N131J500CT	TR	10000	130 pF	± 5%	NP0	0402	50 VDC
MC0402N150J500CT	TR	10000	15 pF	± 5%	NP0	0402	50 VDC
MC0402N150J500CT	TC		15 pF	± 5%	NP0	0402	50 VDC
MC0402N150K500CT	TC		15 pF	± 10%	NP0	0402	50 VDC
MC0402B151K500CT	TC		150 pF	± 10%	X7R	0402	50 VDC
MC0402B151K500CT	TR	10000	150 pF	± 10%	X7R	0402	50 VDC
MC0402B151M500CT	TC		150 pF	± 20%	X7R	0402	50 VDC
MC0402N151J500CT	TC		150 pF	± 5%	NP0	0402	50 VDC
MC0402N151J500CT	TR	10000	150 pF	± 5%	NP0	0402	50 VDC
MC0402N151K500CT	TC		150 pF	± 10%	NP0	0402	50 VDC
MC0402B152K500CT	TC		1500 pF	± 10%	X7R	0402	50 VDC
MC0402B152K500CT	TR	10000	1500 pF	± 10%	X7R	0402	50 VDC
MC0402B152M500CT	TC		1500 pF	± 20%	X7R	0402	50 VDC
MC0402N160J500CT	TC		16 pF	± 5%	NP0	0402	50 VDC
MC0402N160J500CT	TR	10000	16 pF	± 5%	NP0	0402	50 VDC
MC0402N161J500CT	TC		160 pF	± 5%	NP0	0402	50 VDC
MC0402N161J500CT	TR	10000	160 pF	± 5%	NP0	0402	50 VDC
MC0402N180J500CT	TC		18 pF	± 5%	NP0	0402	50 VDC
MC0402N180J500CT	TR	10000	18 pF	± 5%	NP0	0402	50 VDC
MC0402N180K500CT	TC		18 pF	± 10%	NP0	0402	50 VDC
MC0402B181K500CT	TC		180 pF	± 10%	X7R	0402	50 VDC
MC0402B181K500CT	TR	10000	180 pF	± 10%	X7R	0402	50 VDC
MC0402N181J500CT	TC		180 pF	± 5%	NP0	0402	50 VDC
MC0402N181J500CT	TR	10000	180 pF	± 5%	NP0	0402	50 VDC
MC0402N181K500CT	TC		180 pF	± 10%	NP0	0402	50 VDC
MC0402B182K500CT	TC		1800 pF	± 10%	X7R	0402	50 VDC
MC0402B182K500CT	TR	10000	1800 pF	± 10%	X7R	0402	50 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.

SPC-F005.DWG

DOC. NO. SPC-F005 * Effective: 7/5/02 * DCP No: 1385

SIZE
A

DWG. NO.

Ta-1097

ELECTRONIC FILE

Ta-1097.DWG

REV

A

SCALE: NTS

U.O.M.: Millimeters

SHEET: 3 OF 4

Manufacturers part number	Sell Unit of Measure	Reel Quantity	Capacitance	Capacitance Tolerance	Dielectric Characteristic	Package/Case	Voltage Rating
MC0402N201J500CT	TR	10000	200 pF	± 5%	NP0	0402	50 VDC
MC0402N201J500CT	TC		200 pF	± 5%	NP0	0402	50 VDC
MC0402N220J500CT	TC		22 pF	± 5%	NP0	0402	50 VDC
MC0402N220J500CT	TR	10000	22 pF	± 5%	NP0	0402	50 VDC
MC0402N220K500CT	TC		22 pF	± 10%	NP0	0402	50 VDC
MC0402B221K500CT	TC		220 pF	± 10%	X7R	0402	50 VDC
MC0402B221K500CT	TR	10000	220 pF	± 10%	X7R	0402	50 VDC
MC0402B221M500CT	TC		220 pF	± 20%	X7R	0402	50 VDC
MC0402N221J500CT	TC		220 pF	± 5%	NP0	0402	50 VDC
MC0402N221J500CT	TR	10000	220 pF	± 5%	NP0	0402	50 VDC
MC0402N221K500CT	TC		220 pF	± 10%	NP0	0402	50 VDC
MC0402B222K500CT	TC		2200 pF	± 10%	X7R	0402	50 VDC
MC0402B222K500CT	TR	10000	2200 pF	± 10%	X7R	0402	50 VDC
MC0402B222M500CT	TC		2200 pF	± 20%	X7R	0402	50 VDC
MC0402N240J500CT	TC		24 pF	± 5%	NP0	0402	50 VDC
MC0402N240J500CT	TR	10000	24 pF	± 5%	NP0	0402	50 VDC
MC0402N270J500CT	TC		27 pF	± 5%	NP0	0402	50 VDC
MC0402N270J500CT	TR	10000	27 pF	± 5%	NP0	0402	50 VDC
MC0402N270K500CT	TC		27 pF	± 10%	NP0	0402	50 VDC
MC0402B271K500CT	TC		270 pF	± 10%	X7R	0402	50 VDC
MC0402B271K500CT	TR	10000	270 pF	± 10%	X7R	0402	50 VDC
MC0402B272K500CT	TR	10000	2700 pF	± 10%	X7R	0402	50 VDC
MC0402B272K500CT	TC		2700 pF	± 10%	X7R	0402	50 VDC
MC0402N3R0C500LT	TC		3 pF	± 0.25pF	NP0	0402	50 VDC
MC0402N3R0C500LT	TR	10000	3 pF	± 0.25pF	NP0	0402	50 VDC
MC0402N3R0D500LT	TC		3 pF	± 0.5pF	NP0	0402	50 VDC
MC0402N300J500CT	TR	10000	30 pF	± 5%	NP0	0402	50 VDC
MC0402N300J500CT	TC		30 pF	± 5%	NP0	0402	50 VDC
MC0402N330J500CT	TR	10000	33 pF	± 5%	NP0	0402	50 VDC
MC0402N330J500CT	TC		33 pF	± 5%	NP0	0402	50 VDC
MC0402N330K500CT	TC		33 pF	± 10%	NP0	0402	50 VDC
MC0402B331K500CT	TC		330 pF	± 10%	X7R	0402	50 VDC
MC0402B331K500CT	TR	10000	330 pF	± 10%	X7R	0402	50 VDC
MC0402B331M500CT	TC		330 pF	± 20%	X7R	0402	50 VDC
MC0402B332K500CT	TC		3300 pF	± 10%	X7R	0402	50 VDC
MC0402B332K500CT	TR	10000	3300 pF	± 10%	X7R	0402	50 VDC
MC0402B332M500CT	TC		3300 pF	± 20%	X7R	0402	50 VDC
MC0402N360J500CT	TC		36 pF	± 5%	NP0	0402	50 VDC
MC0402N360J500CT	TR	10000	36 pF	± 5%	NP0	0402	50 VDC
MC0402N390J500CT	TC		39 pF	± 5%	NP0	0402	50 VDC
MC0402N390J500CT	TR	10000	39 pF	± 5%	NP0	0402	50 VDC
MC0402N390K500CT	TC		39 pF	± 10%	NP0	0402	50 VDC
MC0402B391K500CT	TC		390 pF	± 10%	X7R	0402	50 VDC

Manufacturers part number	Sell Unit of Measure	Reel Quantity	Capacitance	Capacitance Tolerance	Dielectric Characteristic	Package/Case	Voltage Rating
MC0402N4R0D500LT	TC		4 pF	± 0.5pF	NP0	0402	50 VDC
MC0402N430J500CT	TC		43 pF	± 5%	NP0	0402	50 VDC
MC0402N430J500CT	TR	10000	43 pF	± 5%	NP0	0402	50 VDC
MC0402N470J500CT	TC		47 pF	± 5%	NP0	0402	50 VDC
MC0402N470J500CT	TR	10000	47 pF	± 5%	NP0	0402	50 VDC
MC0402N470K500CT	TC		47 pF	± 10%	NP0	0402	50 VDC
MC0402B471K500CT	TC		470 pF	± 10%	X7R	0402	50 VDC
MC0402B471K500CT	TR	10000	470 pF	± 10%	X7R	0402	50 VDC
MC0402B471M500CT	TC		470 pF	± 20%	X7R	0402	50 VDC
MC0402N5R0C500LT	TC		5 pF	± 0.25pF	NP0	0402	50 VDC
MC0402N5R0C500LT	TR	10000	5 pF	± 0.25pF	NP0	0402	50 VDC
MC0402N5R0D500LT	TC		5 pF	± 0.5pF	NP0	0402	50 VDC
MC0402N510J500CT	TC		51 pF	± 5%	NP0	0402	50 VDC
MC0402N510J500CT	TR	10000	51 pF	± 5%	NP0	0402	50 VDC
MC0402N560J500CT	TC		56 pF	± 5%	NP0	0402	50 VDC
MC0402N560J500CT	TR	10000	56 pF	± 5%	NP0	0402	50 VDC
MC0402N560K500CT	TC		56 pF	± 10%	NP0	0402	50 VDC
MC0402B561K500CT	TC		560 pF	± 10%	X7R	0402	50 VDC
MC0402B561K500CT	TR	10000	560 pF	± 10%	X7R	0402	50 VDC
MC0402N6R0D500LT	TC		6 pF	± 0.5pF	NP0	0402	50 VDC
MC0402N6R0D500LT	TR	10000	6 pF	± 0.5pF	NP0	0402	50 VDC
MC0402N620J500CT	TC		62 pF	± 5%	NP0	0402	50 VDC
MC0402N620J500CT	TR	10000	62 pF	± 5%	NP0	0402	50 VDC
MC0402N680J500CT	TC		68 pF	± 5%	NP0	0402	50 VDC
MC0402N680J500CT	TR	10000	68 pF	± 5%	NP0	0402	50 VDC
MC0402N680K500CT	TC		68 pF	± 10%	NP0	0402	50 VDC
MC0402B681K500CT	TC		680 pF	± 10%	X7R	0402	50 VDC
MC0402B681K500CT	TR	10000	680 pF	± 10%	X7R	0402	50 VDC
MC0402B681M500CT	TC		680 pF	± 20%	X7R	0402	50 VDC
MC0402N7R0D500LT	TC		7 pF	± 0.5pF	NP0	0402	50 VDC
MC0402N7R0D500LT	TR	10000	7 pF	± 0.5pF	NP0	0402	50 VDC
MC0402N750J500CT	TC		75 pF	± 5%	NP0	0402	50 VDC
MC0402N750J500CT	TR	10000	75 pF	± 5%	NP0	0402	50 VDC
MC0402N8R0D500LT	TC		8 pF	± 0.5pF	NP0	0402	50 VDC
MC0402N8R0D500LT	TR	10000	8 pF	± 0.5pF	NP0	0402	50 VDC
MC0402N820J500CT	TC		82 pF	± 5%	NP0	0402	50 VDC
MC0402N820J500CT	TR	10000	82 pF	± 5%	NP0	0402	50 VDC
MC0402N820K500CT	TC		82 pF	± 10%	NP0	0402	50 VDC
MC0402B821K500CT	TR	10000	820 pF	± 10%	X7R	0402	50 VDC
MC0402B821K500CT	TC		820 pF	± 10%	X7R	0402	50 VDC
MC0402N9R0D500LT	TC		9 pF	± 0.5pF	NP0	0402	50 VDC
MC0402N9R0D500LT	TR	10000	9 pF	± 0.5pF	NP0	0402	50 VDC
MC0402N910J500CT	TC		91 pF	± 5%	NP0	0402	50 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.

SPC-F005.DWG

DOC. NO. SPC-F005 * Effective: 7/5/02 * DCP No: 1385

SIZE
A

DWG. NO.

Ta-1097

ELECTRONIC FILE

Ta-1097.DWG

REV

A

SCALE: NTS

U.O.M.: Millimeters

SHEET: 4 OF 4