

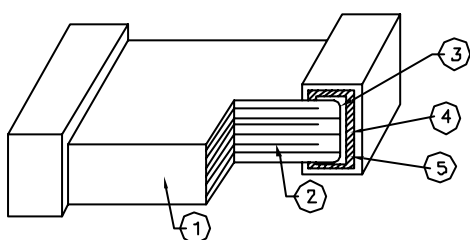
High Capacitance Multilayer Ceramic Capacitors

multicomp PRO

**RoHS
Compliant**



Construction



No.	Name	X7R/X5R/Y5V
1	Ceramic Material	BaTiO3 based
2	Inner Electrode	Ni
3	Termination	Inner layer
4		Middle layer
5		Outer layer
		Sn (Matt)

Specification Table

Part Number	Sell Unit of Measure	Reel Quantity	Capacitance	Capacitance Tolerance	Dielectric Characteristic	Package / Case	Voltage Rating
MC0603X824K6R3CT	TC	-	0.82µF	±10%	X5R	0603	6.3V DC
MC0603X824K6R3CT	TR	4000	0.82µF	±10%	X5R	0603	6.3V DC
MC0603X105K6R3CT	TC	-	1µF	±10%	X5R	0603	6.3V DC
MC0603X105K6R3CT	TR	4000	1µF	±10%	X5R	0603	6.3V DC
MC0603X105M6R3CT	TC	-	1µF	±20%	X5R	0603	6.3V DC
MC0603X106M6R3CT	TC	-	10µF	±20%	X5R	0603	6.3V DC
MC0603X106M6R3CT	TR	4000	10µF	±20%	X5R	0603	6.3V DC
MC0603X225K6R3CT	TC	-	2.2µF	±10%	X5R	0603	6.3V DC
MC0603X225K6R3CT	TR	4000	2.2µF	±10%	X5R	0603	6.3V DC
MC0603X225M6R3CT	TC	-	2.2µF	±20%	X5R	0603	6.3V DC
MC0603X225M6R3CT	TR	4000	2.2µF	±20%	X5R	0603	6.3V DC
MC0603X334K100CT	TC	-	0.33µF	±10%	X5R	0603	10V DC
MC0603X334K100CT	TR	4000	0.33µF	±10%	X5R	0603	10V DC
MC0603X334M100CT	TC	-	0.33µF	±20%	X5R	0603	10V DC
MC0603X474K100CT	TR	4000	0.47µF	±10%	X5R	0603	10V DC
MC0603X474K100CT	TC	-	0.47µF	±10%	X5R	0603	10V DC
MC0603X474M100CT	TC	-	0.47µF	±20%	X5R	0603	10V DC
MC0603X684K100CT	TC	-	0.68µF	±10%	X5R	0603	10V DC
MC0603X684K100CT	TR	4000	0.68µF	±10%	X5R	0603	10V DC
MC0603X684M100CT	TC	-	0.68µF	±20%	X5R	0603	10V DC
MC0603F105Z100CT	TC	-	1µF	+80, -20%	Y5V	0603	10V DC

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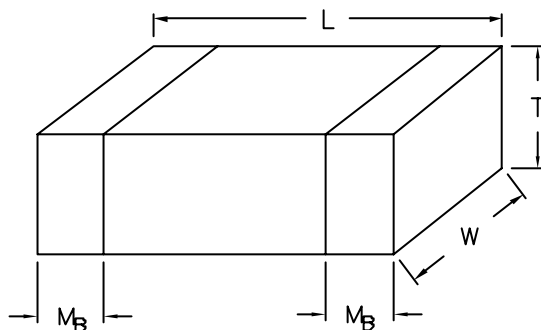
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Part Number	Sell Unit of Measure	Reel Quantity	Capacitance	Capacitance Tolerance	Dielectric Characteristic	Package / Case	Voltage Rating
MC0603F105Z100CT	TR	4000	1 μ F	+80, -20%	Y5V	0603	10V DC
MC0603X105K100CT	TR	4000	1 μ F	\pm 10%	X5R	0603	10V DC
MC0603X105K100CT	TC	-	1 μ F	\pm 10%	X5R	0603	10V DC
MC0603X105M100CT	TC	-	1 μ F	\pm 20%	X5R	0603	10V DC
MC0603F225Z100CT	TC	-	2.2 μ F	+80, -20%	Y5V	0603	10V DC
MC0603F225Z100CT	TR	4000	2.2 μ F	+80, -20%	Y5V	0603	10V DC
MC0603X225M100CT	TC	-	2.2 μ F	\pm 20%	X5R	0603	10V DC
MC0603X225M100CT	TR	4000	2.2 μ F	\pm 20%	X5R	0603	10V DC
MC0603X224K160CT	TC	-	0.22 μ F	\pm 10%	X5R	0603	16V DC
MC0603X224M160CT	TC	-	0.22 μ F	\pm 20%	X5R	0603	16V DC
MC0603X334K160CT	TC	-	0.33 μ F	\pm 10%	X5R	0603	16V DC
MC0603X334M160CT	TC	-	0.33 μ F	\pm 20%	X5R	0603	16V DC
MC0603X474K160CT	TC	-	0.47 μ F	\pm 10%	X5R	0603	16V DC
MC0603X474M160CT	TC	-	0.47 μ F	\pm 20%	X5R	0603	16V DC
MC0603X684K160CT	TC	-	0.68 μ F	\pm 10%	X5R	0603	16V DC
MC0603X684M160CT	TC	-	0.68 μ F	\pm 20%	X5R	0603	16V DC
MC0603F105Z160CT	TC	-	1 μ F	+80, -20%	Y5V	0603	16V DC
MC0603F105Z160CT	TR	4000	1 μ F	+80, -20%	Y5V	0603	16V DC
MC0603X105K160CT	TC	-	1 μ F	\pm 10%	X5R	0603	16V DC
MC0603X105K160CT	TR	4000	1 μ F	\pm 10%	X5R	0603	16V DC
MC0603X105M160CT	TC	-	1 μ F	\pm 20%	X5R	0603	16V DC
MC0603X105M160CT	TR	4000	1 μ F	\pm 20%	X5R	0603	16V DC
MC0603X105K250CT	TC	-	1 μ F	\pm 10%	X5R	0603	25V DC
MC0603X105K250CT	TR	4000	1 μ F	\pm 10%	X5R	0603	25V DC
MC0603X105M250CT	TC	-	1 μ F	\pm 20%	X5R	0603	25V DC

Capacitor Dimension



L (mm)	W (mm)	T (mm)	M _B (mm)
1.6 \pm 0.1	0.8 \pm 0.1	0.8 \pm 0.07	0.4 \pm 0.15

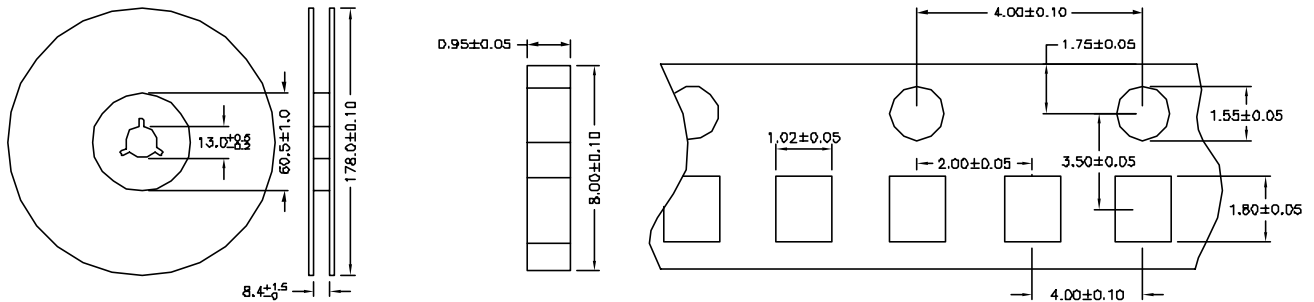
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Tape and Reel Dimension



Dimensions : Millimetres

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