



Capacitance Range (X5R)

Dielectric	X5R					
	0805			1206		
Size						
Rated Voltage (V dc)	6.3 (V)	10 (V)	16 (V)	6.3 (V)	10 (V)	16 (V)
0.22 (224)	-	-	-	-	-	-
1µF (105)	-	T	T	-	T	T
1.5µF (154)	-			-		
2.2 (225)	T	-	-			
3.3 (335)	-	-	-			
4.7 (475)	T	-	-	-	-	-
6.8 (685)	-	-	-	-	-	-
10µF (106)	-	-	-	T	J	-
2.2µF (226)	-	-	-	-	-	-

Capacitance Range (Y5V)

Dielectric	Y5V				
	0805		1206		
Size					
Rated Voltage (V dc)	10 (V)	16 (V)	6.3 (V)	10 (V)	16 (V)
0.22 (224)	-	-	-	-	-
1µF (105)	-	-	-	-	-
1.5µF (154)	-	-	-	-	-
2.2 (225)	-	T	-	-	-
3.3 (335)	T	-	-	-	-
4.7 (475)		-	-	-	T
6.8 (685)	-	-	-	T	-
10µF (106)	-	-	-		J
2.2µF (226)	-	-	-	-	-

Dimensions Table

Size [Inch (mm)]	Thickness (mm)/Symbol	
0805 (2012)	0.95	T
1206 (3216)		
	1.25	J

Dimensions : Inches (Millimetres)

Dimensions

Size [Inch (mm)]	L (mm)	W (mm)	M _B (mm)
0805 (2012)	2.00 ±0.15	1.25 ±0.10	0.50 ±0.20
	2.00 ±0.20	1.25 ±0.20	
1206 (3216)	3.20 ±0.15	1.60 ±0.15	0.60 ±0.20
	3.20 ±0.20	1.60 ±0.20	
		1.60 + 0.30/-0.10	

Dimensions : Inches (Millimetres)

Specification Table

Description	Dielectric	Size [Inch (mm)]	Capacitance	Tolerance	Rated Voltage (V dc)	Part Number
MLCC, 0805, X5R, 6.3V, 2.2µF	X5R	0805 (2012)	2.2µF	±10%	6.3	MCCA000591
MLCC, 0805, X5R, 6.3V, 4.7µF		0805 (2012)	4.7µF	±10%		MCCA000592
MLCC, 0805, X5R, 6.3V, 10µF		0805 (2012)	10µF	±20%		MCCA000593
MLCC, 0805, X5R, 10V, 2.2µF	Y5V	0805 (2012)	2.2µF	±10%	10	MCCA000594
MLCC, 0805, Y5V, 10V, 4.7µF		1206 (3216)	4.7µF	-20/ +80%		MCCA000595
MLCC, 0805, X5R, 16V, 1µF	X5R	0805 (2012)	1µF	±10%	16	MCCA000596
MLCC, 0805, Y5V, 16V, 2.2µF	Y5V	0805 (2012)	2.2µF	-20/ +80%		MCCA000597
MLCC, 0805, X5R, 16V, 2.2µF	X5R	0805 (2012)	2.2µF	±10%		MCCA000598
MLCC, 0805, Y5V, 16V, 4.7µF	Y5V	0805 (2012)	4.7µF	-20/ +80%		MCCA000599

Dimensions : Inches (Millimetres)

Specification Table

Description	Dielectric	Size [Inch (mm)]	Capacitance	Tolerance	Rated Voltage (V dc)	Part Number
MLCC, 1206, X5R, 6.3V, 10 μ F	X5R	1206 (3216)	10 μ F	\pm 20%	6.3	MCCA000600
MLCC, 1206, X5R, 10V, 2.2 μ F		0805 (2012)	2.2 μ F	\pm 10%	10	MCCA000601
MLCC, 1206, Y5V, 10V, 10 μ F	Y5V	1206 (3216)	10 μ F	-20/ +80%		10
MLCC, 1206, Y5V, 10V, 22 μ F		1206 (3216)	22 μ F	-20/ +80%	MCCA000604	

1. This series product is suited to reflow soldering process only.

Dimensions : Inches (Millimetres)

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