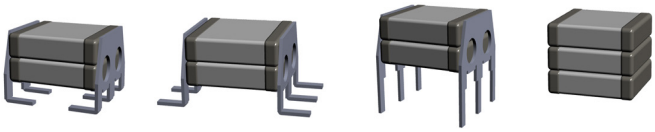
X7R STACKED CHIP CAPACITOR

SRT Micro Céramique

• Applications

Switch Mode Power Capacitor for Input / Output Filtering



RoHS compliant

• Electrical Parameters

Operating Temperature	- 55°C, + 125°C
Temperature Coefficient	± 15% with 0Vdc applied
Dissipation Factor	2.5%max, 1Vrms, 1kHz, 25°C

Insulation Resistance (IR)
25°C/Un 10^5 MOhm or 1000 Ohm-Farad whichever is less
Dielectric Withstanding Voltage
2.5Un for 5s with 50mA max charging current
Burn In 48 hours 125°C 2Un if Un<500V and 1.5 Un if Un >500V

• Quick Reference Data

	1812	2220	2225	3033	3640	4040	5550	6660	8060
50V	1.5µF - 5.6µF	2.2µF - 8.2µF	2.7µF - 10µF	1.8µF - 12µF	3.9µF - 15µF	6.8µF - 27µF	8.2µF - 33µF		
100V	680nF - 3.3µF	1µF - 3.9µF	1.2µF - 4.7µF	1.5µF - 5.6µF	2.2µF - 8.2µF	5.6µF - 18µF	4.7µF - 18µF		
200V	180nF - 1.5µF	560nF - 2.2µF	680nF - 2.7µF	1.2µF - 4.7µF	1.5µF - 4.7µF	2.7µF - 8.2µF	2.7µF - 8.2µF	12µF - 36µF	
500V	120nF - 560nF	220nF - 1µF	270nF - 1.2µF	390nF - 1.8µF	560nF - 2.7µF	1.5µF - 4.7µF	1.5µF - 4.7µF	3.9µF - 12µF	3.9µF - 15µF
1000V	22nF - 100nF	47nF - 180nF	27nF - 220nF	100nF - 330nF	150nF - 560nF	390nF - 1.2µF	470nF - 2.2µF	1µF - 3.9µF	1.2µF - 4.7µF
2000V	10nF - 18nF	10nF - 47nF	10nF - 68nF	22nF - 82nF	39nF - 270nF	100nF - 330nF	220nF - 820nF	220nF - 820nF	330nF - 1.5µF

• Ordering Information

SRMC	2225	Y	220	J	A	L	B	XX
STYLE	SIZE	DIELECTRIC	CAPACITANCE	TOLERANCE	VOLTAGE	FORM	PACKAGING	SPECIAL PARAMETERS

SIZE
1812
2220
2225
3033
3640
4040
5550
6660
8060

DIELECTRIC
Y = X7R

CAPACITANCE
Expressed in picofarads (pF).
The first two digits are significant, the third digit give the number of noughts.
Example :
102 = 1000pF

TOLERANCE
J = ± 5%
K = ± 10%
M = ± 20%

VOLTAGE
A = 50V
B = 100V
C = 200V
P = 250V
D = 300V
E = 500V
G = 1000V
H = 2000V

FORM
L
J
D
M

PACKAGING
B = 7'' reel
V = Bulk

• Dimensions (in mm) and Number of Leads

Designation	1812	2220	2225	3033	3640	4040	5550	6660	8060
Length (L)	5.00 ± 0.3	6.50 ± 0.4	6.50 ± 0.4	8.50 ± 0.4	9.50 ± 0.4	10.60 ± 0.4	14.70 ± 0.5	17.40 ± 0.5	21.00 ± 0.5
Width (W)	3.20 ± 0.3	5.50 ± 0.4	6.40 ± 0.4	8.70 ± 0.4	10.20 ± 0.4	10.20 ± 0.4	12.80 ± 0.5	15.50 ± 0.5	15.50 ± 0.5
Number of leads	2	3	3	3	4	4	5	6	6