

Order Multiple=10				Price Each			
pF	nF	Reel Qty	Order Code	10+	100+	500+	1K+
50 Volt d.c. X7R, 0805 Case Size							
4700	4.7	4000	SMD 882-0082	17.00	14.00	12.00	10.00
10000	10	4000	SMD 882-0090	5.00	4.00	4.00	3.00
22000	22	4000	SMD 882-0104	5.00	4.00	4.00	3.00
47000	47	3000	SMD 882-0112	8.00	6.00	6.00	4.00
100000	100	3000	SMD 882-0120	9.00	8.00	7.00	6.00
220000	220	3000	SMD 882-0139	21.00	18.00	15.00	13.00

1206 Case Size

386676

Order Multiple=10				Price Each			
pF	nF	Reel Qty	Order Code	10+	100+	500+	1K+
50 Volt d.c. COG, 1206 Case Size							
6800	6.8	4000	SMD 882-0147	42.00	36.00	30.00	25.00
10000	10	4000	SMD 882-0155	47.00	40.00	35.00	29.00
15000	15	4000	SMD 882-0163	52.00	44.00	38.00	32.00
18000	18	4000	SMD 882-0171	54.00	45.00	38.00	32.00
22000	22	4000	SMD 882-0180	54.00	45.00	38.00	33.00
33000	33	4000	SMD 882-0198	54.00	45.00	38.00	33.00
47000	47	4000	SMD 882-0201	60.00	51.00	43.00	37.00
25 Volt d.c. COG, 1206 Case Size							
100000	100	2000	SMD 882-0210	66.00	54.00	47.00	40.00

Surface Mount – Chip Ceramic on Full Reels

GRM15/18/21/31 Series

- Multilayer ceramic chip capacitors supplied on full reels



0402 Case Size

pF	Mfts. List No.	Reel Qty	Order Code	Price Per Reel	
				1+	3+
6.3 Volt d.c. X5R, 0402 Case Size					
470000	GRM155R60J474KE19D	10000	SMD 111-8149	11,679.00	10,851.00
10 Volt d.c. X5R, 0402 Case Size					
220000	GRM155R61A224KE19D	10000	SMD 111-8148	8,795.00	8,172.00
16 Volt d.c. X7R, 0402 Case Size					
100000	GRM155R71C104KA88D	10000	SMD 111-8151	2,884.00	2,679.00
25 Volt d.c. X7R, 0402 Case Size					
10000	GRM155R71E103KA01D	10000	SMD 111-8150	2,275.00	2,114.00
50 Volt d.c. COG, 0402 Case Size					
1	GRM1555C1H1R0CZ01D	10000	SMD 111-8128	2,275.00	2,114.00
2.2	GRM1555C1H2R2CZ01D	10000	SMD 111-8137	2,275.00	2,114.00
3.3	GRM1555C1H3R3CZ01D	10000	SMD 111-8139	2,275.00	2,114.00
4.7	GRM1555C1H4R7CZ01D	10000	SMD 111-8142	2,275.00	2,128.00
6.8	GRM1555C1H6R8DZ01D	10000	SMD 111-8145	2,275.00	2,114.00
10	GRM1555C1H10JZ01D	10000	SMD 111-8131	2,275.00	2,114.00
15	GRM1555C1H15JZ01D	10000	SMD 111-8135	2,275.00	2,114.00
22	GRM1555C1H22JZ01D	10000	SMD 111-8138	2,307.00	2,143.00
33	GRM1555C1H33JZ01D	10000	SMD 111-8140	2,275.00	2,114.00
47	GRM1555C1H47JZ01D	10000	SMD 111-8143	2,275.00	2,114.00
68	GRM1555C1H68JD01D	10000	SMD 111-8129	2,221.00	2,063.00
100	GRM1555C1H101JD01D	10000	SMD 111-8132	2,275.00	2,114.00
150	GRM1555C1H151JA01D	10000	SMD 111-8136	2,822.00	2,622.00
220	GRM1555C1H221JA01D	10000	SMD 111-8133	3,034.00	2,819.00
330	GRM1555C1H331JA01D	10000	SMD 111-8141	3,793.00	3,525.00
470	GRM1555C1H471JA01D	10000	SMD 111-8144	3,900.00	3,623.00
680	GRM1555C1H681JA01D	10000	SMD 111-8147	3,893.00	3,617.00
1000	GRM1555C1H102JA01D	10000	SMD 111-8130	5,623.00	5,224.00

0603 Case Size

pF	Mfts. List No.	Reel Qty	Order Code	Price Per Reel	
				1+	3+
50 Volt d.c. COG, 0603 Case Size					
1	GRM1885C1H1R0CZ01D	4000	SMD 111-8152	1,230.00	1,143.00
1.5	GRM1885C1H1R5CZ01D	4000	SMD 111-8153	1,230.00	1,143.00
2.2	GRM1885C1H2R2CZ01D	4000	SMD 111-8154	1,230.00	1,143.00
3.3	GRM1885C1H3R3CZ01D	4000	SMD 111-8155	1,230.00	1,143.00
4.7	GRM1885C1H4R7CZ01D	4000	SMD 111-8156	1,230.00	1,143.00
6.8	GRM1885C1H6R8DZ01D	4000	SMD 111-8157	1,230.00	1,143.00
10	GRM1885C1H100JA01D	4000	SMD 111-8159	1,230.00	1,143.00
15	GRM1885C1H150JA01D	4000	SMD 111-8161	1,230.00	1,143.00
150	GRM1885C1H151JA01D	4000	SMD 111-8166	1,440.00	1,338.00
22	GRM1885C1H220JA01D	4000	SMD 111-8162	1,230.00	1,143.00
47	GRM1885C1H470JA01D	4000	SMD 111-8163	1,230.00	1,143.00
68	GRM1885C1H680JA01D	4000	SMD 111-8164	1,230.00	1,143.00
220	GRM1885C1H221JA01D	4000	SMD 111-8167	1,570.00	1,459.00
330	GRM1885C1H331JA01D	4000	SMD 111-8168	1,738.00	1,615.00
470	GRM1885C1H471JA01D	4000	SMD 111-8169	1,864.00	1,732.00
1500	GRM1885C1H152JA01D	4000	SMD 111-8173	3,225.00	2,996.00
680	GRM1885C1H681JA01D	4000	SMD 111-8170	2,246.00	2,087.00
1000	GRM1885C1H102JA01D	4000	SMD 111-8172	2,503.00	2,326.00
2200	GRM1885C1H222JA01D	4000	SMD 111-8174	3,393.00	3,153.00
25 Volt d.c. X7R, 0603 Case Size					
47000	GRM188R71E473KA01D	4000	SMD 111-8180	1,911.00	1,776.00

pF	Mfts. List No.	Reel Qty	Order Code	Price Per Reel	
				1+	3+
50 Volt d.c. X7R, 0603 Case Size					
1000	GRM188R71H102KA01D	4000	SMD 111-8175	1,104.00	1,026.00
2200	GRM188R71H222KA01D	4000	SMD 111-8176	1,104.00	1,026.00
4700	GRM188R71H472KA01D	4000	SMD 111-8177	1,104.00	1,026.00
10000	GRM188R71H103KA01D	4000	SMD 111-8178	1,104.00	1,026.00
22000	GRM188R71H223KA01D	4000	SMD 111-8179	1,654.00	1,536.00
47000	GRM188R71H473KA61D	4000	SMD 111-8181	2,184.00	2,030.00
100000	GRM188R71H104KA93D	4000	SMD 111-8182	2,098.00	1,949.00

0805 Case Size

pF	Mfts. List No.	Reel Qty	Order Code	Price Per Reel	
				1+	3+
50 Volt d.c. COG, 0805 Case Size					
2200	GRM2165C1H222JA01D	4000	SMD 111-8184	4,409.00	4,096.00
3300	GRM2165C1H332JA01D	4000	SMD 111-8185	5,640.00	5,240.00
4700	GRM2195C1H472JA01D	4000	SMD 111-8186	6,113.00	5,680.00
6800	GRM2195C1H682JA01D	4000	SMD 111-8187	8,908.00	8,276.00
10000	GRM2195C1H103JA01D	4000	SMD 111-8188	13,404.00	12,455.00
50 Volt d.c. X7R, 0805 Case Size					
4700	GRM216R71H472JA01D	4000	SMD 111-8189	6,113.00	5,680.00
10000	GRM216R71H103JA01D	4000	SMD 111-8190	1,731.00	1,608.00
22000	GRM216R71H223KA01D	4000	SMD 111-8191	1,903.00	1,768.00
47000	GRM216R71H473KA01L	3000	SMD 111-8192	2,003.00	1,861.00
100000	GRM216R71H104KA01L	3000	SMD 111-8193	2,508.00	2,330.00
220000	GRM216R71H224KA01L	3000	SMD 111-8194	5,663.00	5,262.00

1206 Case Size

423554

pF	Mfts. List No.	Reel Qty	Order Code	Price Per Reel	
				1+	3+
50 Volt d.c. COG, 1206 Case Size					
6800	GRM3195C1H682JA01D	4000	SMD 111-8196	15,215.00	14,136.00
10000	GRM3195C1H103JA01D	4000	SMD 111-8197	17,047.00	15,839.00
15000	GRM3195C1H153JA01D	4000	SMD 111-8198	19,032.00	17,683.00
18000	GRM3195C1H183JA01D	4000	SMD 111-8199	19,204.00	17,843.00
22000	GRM3195C1H223JA01D	4000	SMD 111-8200	19,435.00	18,058.00
33000	GRM3195C1H333JA01D	4000	SMD 111-8202	19,391.00	18,017.00
47000	GRM31M5C1H473JA01D	4000	SMD 111-8203	16,350.00	15,191.00
25 Volt d.c. COG, 1206 Case Size					
100000	GRM31C5C1E104JA01L	2000	SMD 111-8204	11,823.00	10,985.00

MLCC with Flexible Termination X7R dielectric



- Flexible termination system
- High mechanical performance able to withstand, 5mm bend test guaranteed
- Open circuit failure mode is apparent when products are overstressed by 5mm
- Increased temperature cycling performance, 3000 cycle and beyond
- Reduction in circuit board flex failures
- Base metal electrode system

The soft termination is designed to enhance the mechanical flexure and temperature cycling performance of a standard ceramic capacitor with an X7R dielectric. The industry standard for flexure is 2mm minimum, with Soft Termination AVX guarantee a minimum flexure of 5mm, without any internal cracks. Beyond 5mm, Open Circuit Failure Mode. The industry standard for temperature cycling is 1000 cycles, AVX guarantee 3000 cycles. As well as for automotive applications the Soft Termination will provide Design Engineers with a satisfactory solution when designing PCBs which may be subject to high levels of board flexure.

339481

0603 Case Size

Order Multiple = 5		Price Each					
Capacitance	Mfts. List No.	Order Code	5+	50+	100+	500+	+
50 Volt d.c. X7R 0603 Case Size							
1000 pF	06035C102KAZ2A	SMD 756-9513	3.00	2.00	2.00	2.00	--
2200 pF	06035C222KAZ2A	SMD 756-9521	3.00	2.00	2.00	2.00	--
4700 pF	06035C472KAZ2A	SMD 756-9530	3.00	2.00	2.00	2.00	--
10 nF	06035C103KAZ2A	SMD 756-9548	3.00	2.00	2.00	2.00	--
16 Volt d.c. X7R 0603 Case Size							
100 nF	0603YC104KAZ2A	SMD 756-9556	5.00	4.00	4.00	3.00	--

0805 Case Size

Order Multiple = 5		Price Each					
nF	Mfts. List No.	Order Code	5+	50+	100+	500+	+
50 Volt d.c. X7R 0805 Case Size							
100	08055C104KAZ2A	SMD 756-9564	5.00	4.00	4.00	3.00	--
25 Volt d.c. X7R 0805 Case Size							
220	08053C224KAZ1A	SMD 756-9572	6.00	6.00	5.00	4.00	--
16 Volt d.c. X7R 0805 Case Size							
470	0805YC474KAZ1A	SMD 756-9580	6.00	6.00	5.00	4.00	--

Capacitors