

NOVACAP Ceramic SMD Capacitors



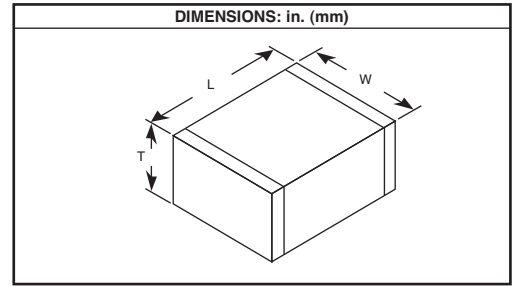
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NOVACAP TIP & RING CAPACITORS

NOVACAPs line of low ESR surface mount capacitors are ideally suited for "Tip & Ring" applications. They are designed with 250 VDC rating to withstand the 52 VDC bias and 150 VRMS signal during ring cadence. Dielectrics of X7R, Z5U and Y5V are available in a variety of sizes and values and can be found on mouser.com or by calling your Mouser representative.

Size	0812	2225
(L) Length	0.180 (4.57)	0.220 (5.59)
(W) Width	0.250 (6.35)	0.250 (6.35)



For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	Novacap Part Number	Dielectric	Value (pF)	Voltage	Tol. (±)	Thickness Max. (T)	Price Each			Reel Qty	Price Each
							1	10	100		
1812											
767-RD1812Z334M251NXT	RD1812Z334M251NXT	Z5U	3.3	250	20%	0.095 (2.41)	1.75	1.50	1.38	500	1.13
767-RD1812Z474M251NXT	RD1812Z474M251NXT	Z5U	4.7	250	20%	0.095 (2.41)	1.75	1.50	1.38	500	1.13
767-RD1812B474K251NXT	RD1812B474K251NXT	X7R	4.7	250	10%	0.095 (2.41)	2.42	2.07	1.90	500	1.55
2225											
767-RD2225B105K251NXT	RD2225B105K251NXT	X7R	10	250	10%	0.095 (2.41)	6.58	5.64	5.17	500	4.23

Ceramic Caps, SMD

Novacap

NOVACAP SAFETY Y3 CLASS CAPACITORS

The LS series is a safety recognized X2Y3 compliant capacitor. These capacitors are manufactured using advanced ceramic and electrode formulation with thin, dense, and precise dielectric layers to satisfy the difficult requirements with unsurpassed quality.

Size	0808	1812
(L) Length	0.180 (4.57)	0.180 (4.57)
(W) Width	0.080 (2.03)	0.125 (3.18)

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	Novacap Part Number	Dielectric	Value (pF)	Voltage	Tol. (±)	Thickness Max. (T)	Price Each			Reel Qty	Price Each
							1	10	100		
767-LS1808N100K302NT	LS1808N100K302NT	C0G	10	3000	10%	0.065 (1.651)	.88	.75	.69	500	.56
767-LS1808N330K302NT	LS1808N330K302NT	C0G	33	3000	10%	0.065 (1.651)	.88	.75	.69	500	.56
767-LS1808N101K302NT	LS1808N101K302NT	C0G	100	3000	10%	0.065 (1.651)	.88	.75	.69	500	.56
767-LS1808N151K302NT	LS1808N151K302NT	C0G	150	3000	10%	0.065 (1.651)	.88	.75	.69	500	.56
767-LS1808N221J302NT	LS1808N221J302NT	C0G	220	3000	5%	0.065 (1.651)	.88	.75	.69	500	.56
767-LS1808B471K302NT	LS1808B471K302NT	X7R	470	3000	10%	0.065 (1.651)	.88	.75	.69	500	.56
767-LS1808N471K302NT	LS1808N471K302NT	C0G	470	3000	10%	0.065 (1.651)	.88	.75	.69	500	.56
767-LS1808B681K302NT	LS1808B681K302NT	X7R	680	3000	10%	0.065 (1.651)	.88	.75	.69	500	.56
767-LS1808B102K302NT	LS1808B102K302NT	X7R	1000	3000	10%	0.065 (1.651)	.88	.75	.69	500	.56
767-LS1808N102K302NX	LS1808N102K302NXT	C0G	1000	3000	10%	0.080 (2.032)	1.09	.93	.85	500	.70
767-LS1812N102K302NT	LS1812N102K302NT	C0G	1000	3000	10%	0.100 (2.540)	1.86	1.59	1.46	500	1.19
767-LS1808B152K302NX	LS1808B152K302NXT	X7R	1500	3000	10%	0.065 (1.651)	.88	.75	.69	500	.56
767-LS1812N222K302NX	LS1812N222K302NXT	C0G	2200	3000	10%	0.100 (2.540)	3.36	2.88	2.64	500	2.16

NOVACAP SAFETY Y2 CLASS CAPACITORS

The ES series of Y2 Class MLC chip capacitors are available in sizes ES 1808, ES 2211, ES 2215 and ES2225. They are specifically designed for use in modems, facsimile machines, telephones and other electronic equipment where lightning or overvoltage surges can occur. Call your Mouser representative or go to mouser.com for values and sizes not shown here.

Size	2211	2215
(L) Length	0.220 (5.58)	0.220 (5.58)
(W) Width	0.110 (2.79)	0.150 (3.81)

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	Novacap Part Number	Dielectric	Value (pF)	Voltage	Tol. (±)	Thickness Max. (T)	Price Each			Reel Qty	Price Each
							1	10	100		
767-ES2211N100K502NM	ES2211N100K502NM	C0G	10	5000	10%	0.110 (2.79)	1.75	1.50	1.38	500	1.13
767-ES2211N330K502NM	ES2211N330K502NM	C0G	33	5000	10%	0.110 (2.79)	1.75	1.50	1.38	500	1.13
767-ES2211N680K502NM	ES2211N680K502NM	C0G	68	5000	10%	0.110 (2.79)	1.75	1.50	1.38	500	1.13
767-ES2211N101K502NM	ES2211N101K502NM	C0G	100	5000	10%	0.110 (2.79)	1.75	1.50	1.38	500	1.13
767-ES2211N151K502NM	ES2211N151K502NM	C0G	150	5000	10%	0.110 (2.79)	1.75	1.50	1.38	500	1.13
767-ES2211N221K502NM	ES2211N221K502NM	C0G	220	5000	10%	0.110 (2.79)	1.75	1.50	1.38	500	1.13
767-ES2211N471J502NM	ES2211N471J502NM	C0G	470	5000	5%	0.110 (2.79)	2.52	2.16	1.98	500	1.62
767-ES2211N681K502NM	ES2211N681K502NM	C0G	680	5000	10%	0.110 (2.79)	3.22	2.76	2.53	500	2.07
767-ES2215N102K502NM	ES2215N102K502NM	C0G	1000	5000	10%	0.150 (3.81)	3.43	2.94	2.70	500	2.21

NOVACAP SMD CERAMIC CAPACITORS

(EIA C0G) or NPO Dielectric is an ultra stable Class I dielectric. It has a linear temperature coefficient, low loss, stable electrical properties with time, voltage and frequency. C0G chips are used in precision circuitry requiring Class I stability. X7R Dielectric is a stable EIA Class II dielectric, with +/-15% temperature coefficient and predictable variation of electrical properties with time, temperature and voltage. Class II X7R chips are used as decoupling, by-pass, filtering and transient voltage suppression elements.

Size	0504
(L) Length	0.050 (1.27)
(W) Width	0.040 (1.02)

All Dielectrics are available in two nickel barrier termination systems suitable for solder wave, vapor phase or reflow solder board attachment. The "N" termination is a standard nickel barrier over fired on silver. The "C" termination is a nickel barrier over polymer terminated capacitors, which are able to accommodate a significantly increased degree of board flexure compared with standard terminated capacitors.

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	Novacap Part Number	Dielectric	Value (pF)	Voltage	Tol. (±)	Thickness Max. (T)	Price Each			Reel Qty	Price Each
							1	10	100		
0504											
767-0504N101J101NT	0504N101J101NT	C0G	100	100	5%	0.044 (1.12)	.46	.39	.36	500	.29
767-0504B102K101NT	0504B102K101NT	X7R	1000	100	10%	0.044 (1.12)	.46	.39	.36	500	.29
767-0504N102J500NT	0504N102J500NT	C0G	1000	50	5%	0.044 (1.12)	.46	.39	.36	500	.29
767-0504B103K101NT	0504B103K101NT	X7R	0.01µF	100	10%	0.044 (1.12)	.46	.39	.36	500	.29

