

NOVACAP Ceramic SMD Capacitors



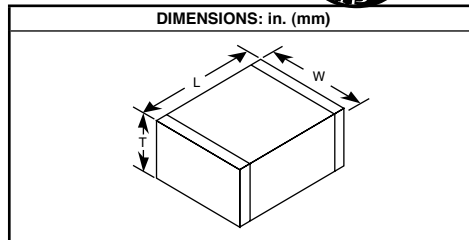
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NOVACAP TIP & RING CAPACITORS

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	0805	1206	1808	1812	2211	2215
(L) Length	0.080 (2.03)	0.125 (3.18)	0.180 (4.57)	0.180 (4.57)	0.220 (5.58)	0.220 (5.58)
(W) Width	0.050 (1.27)	0.060 (1.52)	0.080 (2.03)	0.125 (3.18)	0.110 (2.79)	0.150 (3.81)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Novacap Part No.	Dielectric	Value (pF)	Voltage	Tol. (±)	Thickness Max. (T)	Price Each			Reel Qty	Price Each
							1	10	100		
1812											
767-RD1812Z334M251NX	RD1812Z334M251NXT	Z5U	3.3	250	20%	0.095 (2.41)	1.75	1.50	1.38	500	1.13
767-RD1812Z474M251NX	RD1812Z474M251NXT	Z5U	4.7	250	20%	0.095 (2.41)	1.75	1.50	1.38	500	1.13
767-RD1812B474K251NX	RD1812B474K251NXT	X7R	4.7	250	10%	0.095 (2.41)	2.42	2.07	1.90	500	1.55

NOVACAP SAFETY CERTIFIED CAPACITORS

The LS (X2,Y3) and ES (Y2) series of MLC chip capacitors are specifically designed for use in modems, facsimile machines, telephones and other electronic equipment where lightning or overvoltage surges can occur. These parts are rated to 3000 Vdc(LS series) and 5000Vdc(ES series) and are rated at 250 Vac safety approved.

Novacap LS (X2,Y3) Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Novacap Part No.	Dielectric	Value (pF)	Voltage	Tol. (±)	Thickness Max. (T)	Price Each			Reel Qty	Price Each
							1	10	100		
Style 1808											
767-LS1808N100K302NT	LS1808N100K302NT	COG	10	3000	10%	0.065(1.65)	.88	.75	.69	500	.56
767-LS1808N330K302NT	LS1808N330K302NT	COG	33	3000	10%	0.065(1.65)	.88	.75	.69	500	.56
767-LS1808N101K302NT	LS1808N101K302NT	COG	100	3000	10%	0.065(1.65)	.88	.75	.69	500	.56
767-LS1808N151K302NT	LS1808N151K302NT	COG	150	3000	10%	0.065(1.65)	.88	.75	.69	500	.56
767-LS1808N221J302NT	LS1808N221J302NT	COG	220	3000	5%	0.065(1.65)	.88	.75	.69	500	.56
767-LS1808B471K302NT	LS1808B471K302NT	X7R	470	3000	10%	0.065(1.65)	.88	.75	.69	500	.56
767-LS1808N471K302NT	LS1808N471K302NT	COG	470	3000	10%	0.065(1.65)	.88	.75	.69	500	.56
767-LS1808B681K302NT	LS1808B681K302NT	X7R	680	3000	10%	0.065(1.65)	.88	.75	.69	500	.56
767-LS1808B102K302NT	LS1808B102K302NT	X7R	1000	3000	10%	0.065(1.65)	.88	.75	.69	500	.56
767-LS1808N102K302NXT	LS1808N102K302NXT	COG	1000	3000	10%	0.080(2.00)	1.09	.93	.85	500	.70
767-LS1808B152K302NXT	LS1808B152K302NXT	X7R	1500	3000	10%	0.065(1.65)	1.00	.85	.78	500	.64
Style 1812											
767-LS1812N102K302NT	LS1812N102K302NT	COG	1000	3000	10%	0.100(2.54)	1.86	1.59	1.46	500	1.19
767-LS1812N222K302NXT	LS1812N222K302NXT	COG	2200	3000	10%	0.100(2.54)	3.36	2.88	2.64	500	2.16

Novacap ES (Y2) Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Novacap Part No.	Dielectric	Value (pF)	Voltage	Tol. (±)	Thickness Max. (T)	Price Each			Reel Qty	Price Each
							1	10	100		
Style 2211											
767-ES2211N100K502NM	ES2211N100K502NM	COG	10	5000	10%	0.110(2.79)	1.75	1.50	1.38	500	1.13
767-ES2211N330K502NM	ES2211N330K502NM	COG	33	5000	10%	0.110(2.79)	1.75	1.50	1.38	500	1.13
767-ES2211N680K502NM	ES2211N680K502NM	COG	68	5000	10%	0.110(2.79)	1.75	1.50	1.38	500	1.13
767-ES2211N101K502NM	ES2211N101K502NM	COG	100	5000	10%	0.110(2.79)	1.75	1.50	1.38	500	1.13
767-ES2211N151K502NM	ES2211N151K502NM	COG	150	5000	10%	0.110(2.79)	1.75	1.50	1.38	500	1.13
767-ES2211N221K502NM	ES2211N221K502NM	COG	220	5000	10%	0.110(2.79)	1.75	1.50	1.38	500	1.13
767-ES2211N471J502NM	ES2211N471J502NM	COG	470	5000	5%	0.110(2.79)	2.52	2.16	1.98	500	1.62
767-ES2211N681K502NM	ES2211N681K502NM	COG	680	5000	10%	0.110(2.79)	3.22	2.76	2.53	500	2.07
Style 2215											
767-ES2215N102K502NM	ES2215N102K502NM	COG	1000	5000	10%	0.150(3.81)	3.43	2.94	2.70	500	2.21

NOVACAP HIGH TEMPERATURE 200°C CAPACITORS

NOVACAP manufactures COG chip capacitors designed and tested to operate from -55°C to 200°C. Product applications include harsh environments such as oil exploration and automotive/avionics engine compartment circuitry. Product is available as surface mount chips in sizes 0805 to 7565.

Specifications:

- Operating Temperature Range: -55°C to 200°C
- Temperature Coefficient: 0 ± 30 ppm/°C (up to 200°C)
- Dissipation Factor: .001 (0.1%) Max @ 25°C
- Insulation Resistance: 25°C: >100GΩ or >1000QF
200°C: >1GΩ or >10QF
- Dielectric Withstanding Voltage: < 200V, 250%
201-500V, 150% or 500V* (*whichever is greater)
- Termination: Palladium Silver

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Novacap Part No.	Dielectric	Value (pF)	Voltage	Tol. (±)	Thickness Max. (T)	Price Each			Reel Qty	Price Each
							1	10	100		
Style 0805											
767-0805D100J250PHT	0805D100J250PHT	COG	10	25	5%	0.054 (1.37)	.97	.90	.83	2000	.57
767-0805D100F251PHT	0805D100F251PHT	COG	10	250	1%	0.054 (1.37)	2.33	2.16	2.00	4000	1.20
767-0805D120F251PHT	0805D120F251PHT	COG	12	250	1%	0.054 (1.37)	2.47	2.30	2.12	4000	1.27
767-0805D180F251PHT	0805D180F251PHT	COG	18	250	1%	0.054 (1.37)	2.35	2.18	2.02	4000	1.21
767-0805D220F251PHT	0805D220F251PHT	COG	22	250	1%	0.054 (1.37)	2.35	2.18	2.02	4000	1.21
767-0805D330F251PHT	0805D330F251PHT	COG	33	250	1%	0.054 (1.37)	2.43	2.25	2.08	4000	1.25
767-0805D330J250PHT	0805D330J250PHT	COG	33	25	5%	0.054 (1.37)	.97	.90	.83	2000	.57
767-0805E222K500PHT	0805E222K500PHT	Class II	2200	50	10%	0.054 (1.37)	1.04	.97	.89	2000	.61
767-0805E103K250PHT	0805E103K250PHT	Class II	0.01μF	25	10%	0.054 (1.37)	1.02	.95	.87	2000	.60
Style 1206											
767-1206E103K500PHT	1206E103K500PHT	Class II	0.01μF	50	10%	0.064 (1.63)	1.12	1.04	.96	4000	.57
767-1206E104K500PHT	1206E104K500PHT	Class II	0.1μF	50	10%	0.064 (1.63)	2.16	2.01	1.85	2000	1.27
767-1206E224J250PHT	1206E224J250PHT	Class II	0.22μF	25	5%	0.064 (1.63)	3.27	3.04	2.81	2000	1.92
767-1206E224K250PHT	1206E224K250PHT	Class II	0.22μF	25	10%	0.064 (1.63)	2.75	2.55	2.36	2000	1.61