

SYFER High Q RF Capacitors

RoHS Compliant **This product is RoHS compliant.**

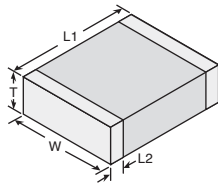


HIGH Q RF CAPACITORS

Syfer produces a wide range of specialist ceramic capacitors suitable for high frequency applications. Our High Q types are available in a range of sizes from 0402 to 3640. The design and materials used in their manufacture result in higher resonant frequencies, making them suitable for a wide range of applications including tuners, mixers, filters, oscillators, RF power amplifiers and tuning networks. Syfer also offers square chips in 0505 and 1111 sizes. Other case sizes available.

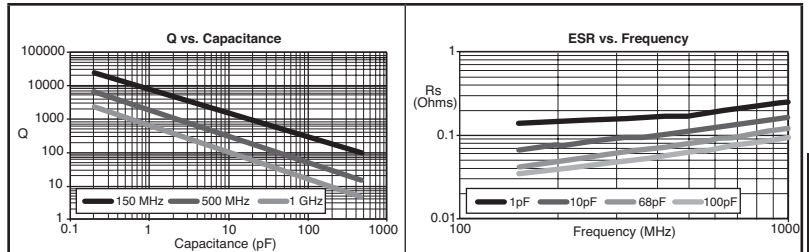
Features:

- High "Q" Factor at high frequencies
- High RF power capabilities
- Low ESR
- Small size
- High self resonant frequencies
- Excellent stability across temperature range



Specifications:

- Operating Temperature: -55°C to +125°C
- Temperature Coefficient (Typical): 0±30ppm/°C
- Insulation resistance at +25°C: >100GΩ
- Insulation resistance at +125°C: >10GΩ



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Value	Voltage	Tol. (±)	DIMENSIONS: mm					Price Each			
					Length (L1)	Width (W)	Thickness (T)	Termination Band(L2)		1	50	100	500
								Min.	Max.				
Style 0603													
843-0603J250P300B	0603J250P300BQT	0.3	250	0.1pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	.92	.66	.50	.44
843-0603J250P500B	0603J250P500BQT	0.5	250	0.1pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	.92	.66	.50	.44
843-0603J250P800B	0603J250P800BQT	0.8	250	0.1pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	.92	.66	.50	.44
843-0603J2501P00B	0603J2501P00BQT	1.0	250	0.1pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	.93	.66	.50	.44
843-0603J2501P50C	0603J2501P50CQT	1.5	250	0.25pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	.93	.67	.50	.44
843-0603J2502P20C	0603J2502P20CQT	2.2	250	0.25pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	.94	.67	.51	.45
843-0603J2503P30C	0603J2503P30CQT	3.3	250	0.25pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	1.01	.72	.54	.48
843-0603J2504P70C	0603J2504P70CQT	4.7	250	0.25pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	1.13	.81	.61	.53
843-0603J2506P80C	0603J2506P80CQT	6.8	250	0.25pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	1.41	1.01	.75	.66
843-0603J2500100J	0603J2500100JQT	10	250	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	1.16	.83	.62	.55
843-0603J2500150J	0603J2500150JQT	15	250	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	1.17	.83	.62	.55
843-0603J2500220J	0603J2500220JQT	22	250	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	1.14	.81	.61	.54
843-0603J2500270J	0603J2500270JQT	27	250	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	1.14	.81	.61	.54
843-0603J2500330J	0603J2500330JQT	33	250	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	1.16	.83	.62	.55
843-0603J2500390J	0603J2500390JQT	39	250	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	1.18	.84	.63	.56
843-0603J2500470J	0603J2500470JQT	47	250	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	1.19	.85	.64	.56
843-0603J1000680J	0603J1000680JQT	68	100	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	1.24	.89	.67	.59
843-0603J0500101K	0603J0500101KQT	100	50	10%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	.99	.70	.53	.47
843-0603J0500151K	0603J0500151KQT	150	50	10%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40	1.17	.83	.63	.55
Style 0805													
843-0805J250P200B	0805J250P200BQT	0.2	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.39	.99	.74	.66
843-0805J250P300B	0805J250P300BQT	0.3	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.41	1.01	.76	.66
843-0805J250P400B	0805J250P400BQT	0.4	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.41	1.01	.76	.66
843-0805J250P500B	0805J250P500BQT	0.5	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.41	1.01	.76	.66
843-0805J250P600B	0805J250P600BQT	0.6	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.41	1.01	.76	.66
843-0805J250P700B	0805J250P700BQT	0.7	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.41	1.01	.76	.66
843-0805J250P800B	0805J250P800BQT	0.8	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.41	1.01	.76	.66
843-0805J2501P00B	0805J2501P00BQT	1.0	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.41	1.01	.76	.66
843-0805J2501P50C	0805J2501P50CQT	1.5	250	0.25pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.35	.96	.72	.63
843-0805J2503P30C	0805J2503P30CQT	3.3	250	0.25pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.40	1.00	.75	.66
843-0805J2504P70C	0805J2504P70CQT	4.7	250	0.25pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.44	1.03	.77	.68
843-0805J2506P80C	0805J2506P80CQT	6.8	250	0.25pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.86	1.33	1.00	.88
843-0805J2500150J	0805J2500150JQT	15	250	5%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.57	1.12	.84	.74
843-0805J2500220J	0805J2500220JQT	22	250	5%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.61	1.15	.86	.76
843-0805J2500470J	0805J2500470JQT	47	250	5%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.65	1.18	.88	.78
843-0805J2500680J	0805J2500680JQT	68	250	5%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.79	1.28	.96	.84
843-0805J2500151K	0805J2500151KQT	150	250	10%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.61	1.15	.86	.76
843-0805J1500221K	0805J1500221KQT	220	150	10%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.80	1.29	.97	.85
843-0805J1000331K	0805J1000331KQT	330	100	10%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.93	1.38	1.03	.91
843-0805J0500471K	0805J0500471KQT	470	50	10%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75	1.63	1.17	.87	.77
Style 1111													
843-1111J1K0P300B	1111J1K0P300BQT	0.3	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.17	2.26	1.70	1.49
843-1111J1K0P400B	1111J1K0P400BQT	0.4	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.17	2.26	1.70	1.49
843-1111J1K0P500B	1111J1K0P500BQT	0.5	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.17	2.26	1.70	1.49
843-1111J1K0P600B	1111J1K0P600BQT	0.6	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.17	2.26	1.70	1.49
843-1111J1K0P700B	1111J1K0P700BQT	0.7	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.17	2.26	1.70	1.49
843-1111J1K0P800B	1111J1K0P800BQT	0.8	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.24	2.31	1.74	1.53
843-1111J1K0P900B	1111J1K0P900BQT	0.9	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.24	2.31	1.74	1.53
843-1111J1K01P00B	1111J1K01P00BQT	1.0	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.24	2.31	1.74	1.53
843-1111J1K01P50C	1111J1K01P50CQT	1.5	1000	0.25pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.24	2.31	1.74	1.53
843-1111J1K02P20C	1111J1K02P20CQT	2.2	1000	0.25pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.24	2.31	1.74	1.53
843-1111J1K03P30C	1111J1K03P30CQT	3.3	1000	0.25pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.35	2.39	1.79	1.58
843-1111J1K04P70C	1111J1K04P70CQT	4.7	1000	0.25pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.46	2.47	1.85	1.63
843-1111J1K06P80C	1111J1K06P80CQT	6.8	1000	0.25pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	4.28	3.06	2.29	2.02
843-1111J1K00100J	1111J1K00100JQT	10	1000	5%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.67	2.62	1.96	1.73
843-1111J1K00220J	1111J1K00220JQT	22	1000	5%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.80	2.71	2.03	1.79
843-1111J1K00470J	1111J1K00470JQT	47	1000	5%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.53	2.52	1.89	1.66
843-1111J1K00101K	1111J1K00101KQT	100	1000	10%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.42	2.44	1.83	1.61
843-1111J1K00221K	1111J1K00221KQT	220	1000	10%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.79	2.70	2.03	1.78
843-1111J5000471K	1111J5000471KQT	470	500	10%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	3.96	2.83	2.12	1.87
843-1111J2500102K	1111J2500102KQT	1000	250	10%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	4.23	3.02	2.27	1.99
843-1111J1000152K	1111J1000152KQT	1500	100	10%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	4.93	3.52	2.64	2.32
843-1111J1000152G	1111J1000152GQT	1500	100	2%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	9.93	7.10	5.33	4.62
843-1111J1000182G	1111J1000182GQT	1800	100	2%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63	10.61	7.58	5.69	4.93
843-1111J1000222K	1111J1000222KQT	2200	100	10%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13					