

VISHAY Silicon and VJ HVArc Guard® Capacitors

RoHS Compliant This product is RoHS compliant.

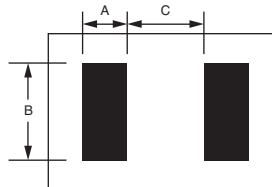
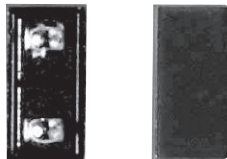
VISHAY ELECTRO-FILMS THIN FILM SMD SILICON CAPACITOR

Features:

- Industries highest SRF
- Low DCR, high Q
- Small size: 0.040"x0.020"x0.015"

Applications:

- Lumped element filters
- Impedance matching circuits
- decoupling and DC blocking



DIMENSIONS: in.	
Value Range	0.2 to 27
A	8
B	14
C	18

Ceramic Caps, SMD

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Cap Value (pF)	Volt.	Temp. Coef.	Tol. (%)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Style 0402										
75-RFCS04022200BJTT1		22	10	30	5	.50	.34	.27	1000	.196
75-RFCS04022700BJTT1		27	10	30	5	.50	.34	.27	1000	.196
75-RFCS04021200BJTT1		12	16	30	5	.50	.34	.27	1000	.196
75-RFCS04021500BJTT1		15	16	30	5	.50	.34	.27	1000	.196
75-RFCS04021800BJTT1		18	16	30	5	.50	.34	.27	1000	.196
75-RFCS04023300CJTT1		3.3	25	30	5	.50	.34	.27	1000	.196
75-RFCS04023900CJTT1		3.9	25	30	5	.50	.34	.27	1000	.196
75-RFCS04024700CJTT1		4.7	25	30	5	.50	.34	.27	1000	.196
75-RFCS04025600CJTT1		5.6	25	30	5	.50	.34	.27	1000	.196
75-RFCS04026800CJTT1		6.8	25	30	5	.50	.34	.27	1000	.196
75-RFCS04028200CJTT1		8.2	25	30	5	.50	.34	.27	1000	.196
75-RFCS04021000BJTT1		10	25	30	5	.50	.34	.27	1000	.196
75-RFCS04022000DBTT1		0.2	50	30	0.1	.50	.34	.27	1000	.196

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Mfr.	Mfr. Part No.					1	100	500		
Style 0402 (CONT.)										
75-RFCS04023000DBTT1		0.3	50	30	0.1	.50	.34	.27	1000	.196
75-RFCS04024000DBTT1		0.4	50	30	0.1	.50	.34	.27	1000	.196
75-RFCS04025000DBTT1		0.5	50	30	0.1	.50	.34	.27	1000	.196
75-RFCS04026000DBTT1		0.6	50	30	0.1	.50	.34	.27	1000	.196
75-RFCS04027000DBTT1		0.7	50	30	0.1	.50	.34	.27	1000	.196
75-RFCS04028000DBTT1		0.8	50	30	0.1	.50	.34	.27	1000	.196
75-RFCS04029000DBTT1		0.9	50	30	0.1	.50	.34	.27	1000	.196
75-RFCS04021000CBTT1		1	50	30	0.1	.50	.34	.27	1000	.196
75-RFCS04021200CBTT1		1.2	50	30	0.1	.50	.34	.27	1000	.196
75-RFCS04021500CBTT1		1.5	50	30	0.1	.50	.34	.27	1000	.196
75-RFCS04021800CBTT1		1.8	50	30	0.1	.50	.34	.27	1000	.196
75-RFCS04022200CJTT1		2.2	50	30	5	.50	.34	.27	1000	.196
75-RFCS04022700CJTT1		2.7	50	30	5	.50	.34	.27	1000	.196

Vishay

VJ HVARC GUARD® SERIES

Features:

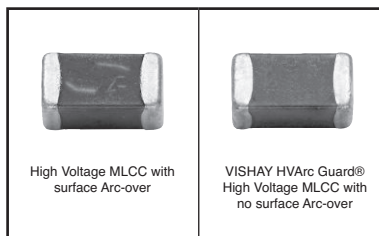
- Surface-mountable, multilayer ceramic capacitors, that protect against surface arc-over
- Higher capacitors and smaller case sizes that save board space, as compared to standard high voltage MLCCs
- Voltage breakdowns are twice that of some competitor products
- Excellent reliability and high voltage performance

Specifications:

- Operating Temperature: -55°C to +125°C
- Temperature Coefficient of Capacitance (TCC): X7R Style: ≤ 15% from -55°C to +125°C, with 0VDC applied
C0G (NP0) Style: 0 ±30ppm/°C from -55°C to +125°C

Applications:

- DC-to-DC converters (Buck and Boost)
- Voltage multipliers for flyback converters
- Lighting ballast circuits
- Power supplies



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Mfr.	Mfr. Part No.					1	100	500		
Style 0805										
77-VJ0805A100JXGAT5Z		10	1000	COG	5	.82	.42	.30	3000	.16
77-VJ0805A220JXGAT5Z		22	1000	COG	5	.82	.42	.30	3000	.16
77-VJ0805A221JXGAT5Z		220	1000	COG	5	.90	.47	.33	3000	.17
77-VJ0805A470JXRAT5Z		47	1500	COG	5	.40	.30	.237	3000	.20
Style 1206										
77-VJ1206A100JXGAT5Z		10	1000	COG	5	.91	.52	.42	2500	.21
77-VJ1206A220JXGAT5Z		22	1000	COG	5	.91	.52	.42	2500	.21
77-VJ1206A470JXGAT5Z		47	1000	COG	5	.91	.52	.42	2500	.21
77-VJ1206A101JXGAT5Z		100	1000	COG	5	.91	.52	.42	2500	.21
77-VJ1206A221JXGAT5Z		220	1000	COG	5	.98	.57	.46	2500	.24
77-VJ1206A471JXGAT5Z		470	1000	COG	5	.98	.57	.46	2500	.24
77-VJ1206A152JXGAT5Z		1500	1000	COG	5	.50	.381	.297	2500	.25
77-VJ1206A102JXRAT5Z		1000	1500	COG	5	.66	.499	.387	2500	.324
Style 1210										
77-VJ1210A100JXGAT5Z		10	1000	COG	5	1.13	.90	.73	2500	.38
77-VJ1210A220JXGAT5Z		22	1000	COG	5	1.13	.90	.73	2500	.38
77-VJ1210A470JXGAT5Z		47	1000	COG	5	1.13	.90	.73	2500	.40
77-VJ1210A101JXGAT5Z		100	1000	COG	5	1.09	.67	.54	2500	.33
77-VJ1210A471JXGAT5Z		470	1000	COG	5	1.20	.73	.59	2500	.31
77-VJ1210A102JXGAT5Z		1000	1000	COG	5	1.20	.73	.59	2500	.31
77-VJ1210A222JXGAT5Z		2200	1000	COG	5	1.37	.83	.68	2500	.35
77-VJ1210A471JXRAT5Z		470	1500	COG	5	.78	.74	.72	2500	.66
77-VJ1210A102JXRAT5Z		1000	1500	COG	5	.78	.74	.72	2500	.66
Style 1206										
77-VJ1206Y221KXEAT5Z		220	500	X7R	10	.99	.52	.37	2500	.19
77-VJ1206Y471KXEAT5Z		470	500	X7R	10	.99	.52	.37	2500	.22
77-VJ1206Y102KXEAT5Z		1000	500	X7R	10	.90	.47	.33	2500	.17
77-VJ1206Y222KXEAT5Z		2200	500	X7R	10	.96	.50	.36	2500	.19
77-VJ1206Y472KXEAT5Z		4700	500	X7R	10	.83	.47	.38	2500	.20
77-VJ1206Y223KXEAT5Z		.022uF	500	X7R	10	.89	.51	.41	2500	.21
77-VJ1206Y473KXEAT5Z		.047uF	500	X7R	10	1.08	.62	.50	2500	.25
77-VJ1206Y103KXEAT5Z		.01uF	500	X7R	10	.83	.47	.38	2500	.20
77-VJ1206Y102MXLAT5Z		1000	630	X7R	20	1.37	.82	.585	2500	.255
77-VJ1206Y221KXGAT5Z		220	1000	X7R	10	1.05	.64	.52	2500	.27
77-VJ1206Y471KXGAT5Z		470	1000	X7R	10	.91	.52	.42	2500	.21
77-VJ1206Y102KXGAT5Z		1000	1000	X7R	10	1.02	.53	.38	3000	.20
77-VJ1206Y472KXGAT5Z		4700	1000	X7R	10	.86	.49	.40	3000	.215
77-VJ1206Y223KXGAT5Z		.022uF	1000	X7R	10	1.20	.73	.59	2500	.31
77-VJ1206Y103KXGAT5Z		.01uF	1000	X7R	10	1.11	.68	.55	3000	.40

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Mfr.	Mfr. Part No.					1	100	500		
Style 1210										
77-VJ1210Y221KXEAT5Z		220	500	X7R	10	1.05	.60	.48	2500	.25
77-VJ1210Y471KXEAT5Z		470	500	X7R	10	1.10	.63	.51	2500	.26
77-VJ1210Y102KXEAT5Z		1000	500	X7R	10	1.10	.63	.41	2500	.26
77-VJ1210Y222KXEAT5Z		2200	500	X7R	10	1.29	.79	.64	2500	.33
77-VJ1210Y472KXEAT5Z		4700	500	X7R	10	1.29	.79	.64	2500	.33
77-VJ1210Y223KXEAT5Z		.022uF	500	X7R	10	1.19	.72	.59	2500	.30
77-VJ1210Y473KXEAT5Z		.047uF	500	X7R	10	1.64	1.08	.88	2500	.45
77-VJ1210Y103KXEAT5Z		.01uF	500	X7R	10	1.14	.69	.56	2500	.29
77-VJ1210Y682KXLAT5Z		6800	630	X7R	10	1.36	.83	.67	2500	.35
77-VJ1210Y221KXGAT5Z		220	1000	X7R	10	1.15	.65	.56	2500	.41
77-VJ1210Y471KXGAT5Z		470	1000	X7R	10	1.09	.67	.54	2500	.33
77-VJ1210Y102KXGAT5Z		1000	1000	X7R	10	1.09	.67	.54	2500	.33
77-VJ1210Y222KXGAT5Z		2200	1000	X7R	10	1.36	.83	.67	2500	.36
77-VJ1210Y472KXGAT5Z		4700	1000	X7R	10	1.36	.83	.67	2500	.36
77-VJ1210Y223KXGAT5Z		.022uF	1000	X7R	10	1.59	1.04	.85	2500	.44
77-VJ1210Y473KXGAT5Z		.047uF	1000	X7R	10	2.46	1.62	1.32	2500	.691
77-VJ1210Y103KXGAT5Z		.01uF	1000	X7R	10	1.36	.83	.67	2500	.35
Style 1808										
77-VJ1808Y222KXPAT5Z		2200	250	X7R	10	1.29	.974	.749	2500	.637
77-VJ1808Y104KXPAT5Z		.1uF	250	X7R	10	1.97	1.29	1.06	2000	.55
77-VJ1808Y200KXPAT5Z		220	500	X7R	10	1.76	1.16	.95	2000	.55
77-VJ1808Y471KXEAT5Z		470	500	X7R	10	1.76	1.16	.95	2000	.55
77-VJ1808Y102KXEAT5Z		1000	500	X7R	10	1.76	1.16	.95	2000	.55
77-VJ1808Y222KXEAT5Z		2200	500	X7R	10	1.76	1.16	.95	2500	.55
77-VJ1808Y472KXEAT5Z		4700	500	X7R	10	1.76	1.16	.95	2500	.55