

# VISHAY/VITRAMON High Frequency and OMD Capacitors

RoHS Compliant This product is RoHS compliant.

## VJ SERIES HIGH FREQUENCY MLCCS

### Features:

- Excellent aging characteristics
- Reliable Noble Metal Electrode (NME) system
- Made with a combination of design, materials and tight process control to achieve very high field reliability.

### Applications:

- Broadband wireless/Satellite communication
- VoIP networks and cellular base stations
- Subscriber based wireless devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volts	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr Part No.			1	100		
<b>Style 0402 - Temperature Coef: C0G</b>							
77	VJ0402D1R0BXC AJ	1	200	.20	.16	1000	.11
77	VJ0402D2R0BXC AJ	2	200	.22	.17	1000	.12
77	VJ0402D3R0BXC AJ	3	200	.25	.19	1000	.13
77	VJ0402D120JXC AJ	12	200	.28	.21	1000	.15
77	VJ0402D150JXC AJ	15	200	.28	.21	1000	.15
77	VJ0402D180JXC AJ	18	100	.30	.23	1000	.16
77	VJ0402D200JXC AJ	20	100	.30	.23	1000	.16
77	VJ0402D220JXC AJ	22	100	.32	.25	1000	.18
77	VJ0402D390JXC AJ	39	50	.34	.26	1000	.19
77	VJ0402D470JXC AJ	47	50	.34	.26	1000	.19
77	VJ0402D560JXC AJ	56	50	.34	.26	1000	.19
77	VJ0402D680JXC AJ	68	25	.35	.26	1000	.19
77	VJ0402D820JXC AJ	82	25	.35	.26	1000	.19
77	VJ0402D1R2BXC AJ	1.2	200	.20	.16	1000	.11
77	VJ0402D1R5BXC AJ	1.5	200	.20	.16	1000	.11
77	VJ0402D1R8BXC AJ	1.8	200	.22	.17	1000	.12
77	VJ0402D3R3BXC AJ	3.3	200	.25	.19	1000	.13
77	VJ0402D4R7CXC AJ	4.7	200	.25	.19	1000	.14
77	VJ0402D5R6CXC AJ	5.6	200	.25	.19	1000	.14
77	VJ0402D6R8CXC AJ	6.8	200	.27	.21	1000	.15
77	VJ0402D8R2CXC AJ	8.2	200	.27	.21	1000	.15

MOUSER STOCK NO.		Value (pF)	Volts	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr Part No.			1	100		
<b>Style 0603 - Temperature Coef: C0G</b>							
77	VJ0603D1R0BXP AJ	1	250	.27	.20	1000	.15
77	VJ0603D2R0BXP AJ	2	250	.30	.23	1000	.16
77	VJ0603D3R0BXP AJ	3	250	.32	.25	1000	.18
77	VJ0603D100JXP AJ	10	250	.36	.28	1000	.20
77	VJ0603D120JXP AJ	12	250	.36	.28	1000	.20
77	VJ0603D150JXP AJ	15	250	.36	.28	1000	.20
77	VJ0603D180JXP AJ	18	250	.40	.30	1000	.22
77	VJ0603D200JXP AJ	20	250	.40	.30	1000	.22
77	VJ0603D220JXP AJ	22	250	.44	.33	1000	.24
77	VJ0603D270JXP AJ	27	250	.44	.33	1000	.24
77	VJ0603D300JXP AJ	30	250	.44	.33	1000	.24
77	VJ0603D330JXP AJ	33	250	.44	.33	1000	.24
77	VJ0603D390JXP AJ	39	250	.47	.36	1000	.26
77	VJ0603D470JXP AJ	47	250	.47	.36	1000	.26
77	VJ0603D680JXC AJ	68	200	.46	.35	1000	.25
77	VJ0603D820JXC AJ	82	200	.46	.35	1000	.25
77	VJ0603D101JXC AJ	100	200	.50	.38	1000	.27
77	VJ0603D121KXC AJ	120	100	.46	.35	1000	.25
77	VJ0603D151KXC AJ	150	100	.46	.35	1000	.25
77	VJ0603D181KXC AJ	180	50	.49	.37	1000	.27
77	VJ0603D201KXC AJ	200	50	.49	.37	1000	.27
77	VJ0603D221KXC AJ	220	50	.53	.41	1000	.29

## VJ OMD SERIES: SMD CERAMIC CAPACITOR SOLUTIONS FOR BOARD FLEX SENSITIVE APPLICATIONS

### Features:

- Efficient low-power consumption, ripple current capable to 1.2 arms at 100kHz
- High voltage breakdown compared to standard design
- Excellent reliability and thermal shock performance
- High frequency filtering for switching power
- Available with polymer termination for increase resistance to board flex cracking

### Specifications:

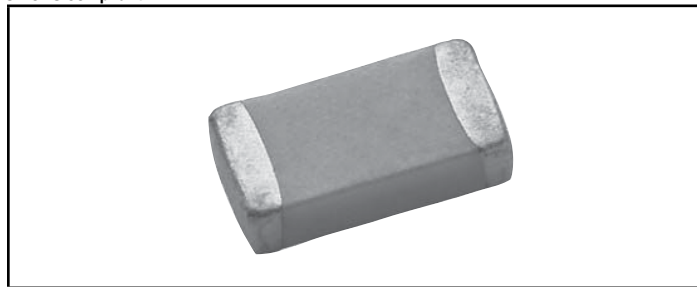
- Operating temperature: -55°C to +125°C

### Applications:

- Input/Output filter capacitors
- Snubber capacitors reduce MOSFET voltage spikes
- Lighting ballasts
- Ideal for power supplies

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volts	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr Part No.			1	100	500		
<b>Style 1206-Temperature Coef: X7R</b>								
77	VJ1206Y471KXRAT4X	470	1500	.35	.263	.205	2500	.173
77	VJ1206Y561KXFAT4X	560	2000	.36	.278	.216	2500	.182
77	VJ1206Y681KXLAT4X	680	630	.41	.37	.33	2500	.28
77	VJ1206Y102KXEA T4X	1000	500	.38	.287	.252	3000	.197
77	VJ1206Y102KXRAT4X	1000	1500	1.10	.63	.51	2500	.26
77	VJ1206Y102MXFAT4X	1000	2000	.41	.27	.24	2500	.21
77	VJ1206Y272KXGAT4X	2700	1000	.65	.495	.386	3000	.312
77	VJ1206Y472KXGAT4X	4700	1000	.66	.63	.58	2500	.41
77	VJ1206Y183KBLAT4X	.018µF	630	.60	.453	.353	2500	.298
77	VJ1206Y103KBAAT4X	.01µF	50	.29	.22	.194	3000	.151
77	VJ1206Y103KXLAT4X	.01µF	630	.54	.37	.33	2500	.28
77	VJ1206Y104JXAAT4X	.1µF	50	.91	.613	.478	2500	.403
77	VJ1206Y104KBAAT4X	.1µF	50	.42	.318	.28	2500	.219
77	VJ1206Y104KXAAT4X	.1µF	50	.64	.491	.383	2500	.322



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volts	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr Part No.			1	100		
<b>Style 0603 - Temperature Coef: C0G (Cont.)</b>							
77	VJ0603D271KXAAJ	270	50	.53	.41	1000	.29
77	VJ0603D301KXAAJ	300	250	.53	.41	1000	.29
77	VJ0603D331KXAAJ	330	50	.53	.41	1000	.29
77	VJ0603D391KXAAJ	390	25	.55	.42	1000	.30
77	VJ0603D471KXAAJ	470	25	.55	.42	1000	.30
77	VJ0603D1R2BXP AJ	1.2	250	.27	.20	1000	.15
77	VJ0603D1R5BXP AJ	1.5	250	.27	.20	1000	.15
77	VJ0603D1R8BXP AJ	1.8	250	.30	.23	1000	.16
77	VJ0603D2R2BXP AJ	2.2	250	.32	.25	1000	.18
77	VJ0603D2R4BXP AJ	2.4	250	.32	.25	1000	.18
77	VJ0603D2R7BXP AJ	2.7	250	.32	.25	1000	.18
77	VJ0603D3R3BXP AJ	3.3	250	.32	.25	1000	.18
77	VJ0603D3R9CXP AJ	3.9	250	.33	.25	1000	.18
77	VJ0603D560JXC AJ	4.7	200	.43	.33	1000	.24
77	VJ0603D4R7CXP AJ	4.7	250	.33	.25	1000	.18
77	VJ0603D5R6CXP AJ	5.6	250	.33	.25	1000	.18
77	VJ0603D6R8CXP AJ	6.8	250	.36	.27	1000	.20
77	VJ0603D8R2CXP AJ	8.2	250	.36	.27	1000	.20

MOUSER STOCK NO.		Value (pF)	Volts	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr Part No.			1	100		
<b>Style 0805 - Temperature Coef: C0G</b>							
77	VJ0805D101JXP AJ	100	250	.59	.45	1000	.32
77	VJ0805D121KXP AJ	120	250	.56	.42	1000	.31
77	VJ0805D151KXP AJ	150	250	.56	.42	1000	.31
77	VJ0805D181KXP AJ	180	250	.53	.47	1000	.34
77	VJ0805D201KXP AJ	200	250	.62	.47	1000	.34
77	VJ0805D221KXP AJ	220	250	.67	.51	1000	.37
77	VJ0805D241KXP AJ	240	250	.67	.51	1000	.37
77	VJ0805D271KXP AJ	270	250	.67	.51	1000	.37
77	VJ0805D301KXP AJ	300	250	.67	.51	1000	.37
77	VJ0805D331KXP AJ	330	250	.67	.51	1000	.37
77	VJ0805D391KXC AJ	390	200	.66	.50	1000	.36
77	VJ0805D471KXC AJ	470	100	.65	.49	1000	.35
77	VJ0805D561KXC AJ	560	100	.65	.49	1000	.35
77	VJ0805D681KXC AJ	680	100	.70	.53	1000	.38
77	VJ0805D821KXC AJ	820	50	.68	.51	1000	.37
77	VJ0805D102KXC AJ	1000	50	.70	.53	1000	.38
77	VJ0805D122KXC AJ	1200	25	.66	.50	1000	.36
77	VJ0805D152KXC AJ	1500	25	.73	.55	1000	.40

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volts	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr Part No.			1	100	500		
<b>Style 1210-Temperature Coef: X7R</b>								
77	VJ1210Y102JXFAT4X	1000	2000	.92	.698	.544	2500	.459
77	VJ1210Y152MXFAT4X	1500	2000	.90	.683	.533	2500	.449
<b>Style 1812-Temperature Coef: NP0/C0G</b>								
77	VJ1812A330JXGAT4X	33	1000	1.95	1.48	1.16	1000	1.07
77	VJ1812A121KXGAT4X	120	1000	.79	.60	.468	1000	.432
77	VJ1812A821JXGAT4X	820	1000	2.68	2.04	1.59	1000	1.47
<b>Style 1812-Temperature Coef: X7R</b>								
77	VJ1812Y471KXHAT4X	470	3000	1.82	1.39	1.08	1000	.997
77	VJ1812Y102KXFAT4X	1000	2000	2.12	2.01	1.85	1000	1.59
77	VJ1812Y222KXFAT4X	2200	2000	1.73	1.11	1.02	1000	.96
77	VJ1812Y392KXFAT4X	3900	2000	1.51	1.15	.896	1000	.826
77	VJ1812Y472KXRAT4X	4700	1500	1.66	1.35	1.30	1000	1.02
77	VJ1812Y822KXRAT4X	8200	1500	1.41	1.26	1.12	1000	1.01
77	VJ1812Y103KXRAT4X	.01µF	1500	1.40	1.07	.833	1000	.768
77	VJ1812Y103MXRAT4X	.01µF	1500	1.40	1.07	.833	1000	.768
77	VJ1812Y154KXEAT4X	.15µF	500	1.62	1.23	.959	1000	.885
77	VJ1812Y334JXCAT4X	.33µF	200	2.37	1.80	1.40	1000	1.29
77	VJ1812Y474JFAAT4X	.47µF	50	2.36	1.80	1.40	1000	1.29
77	VJ1812Y474KXBAT4X	.47µF	100	1.55	1.39	1.24	1000	1.11
77	VJ1812Y104MXBAT4X	.1µF	100	1.01	.77	.601	1000	.554