

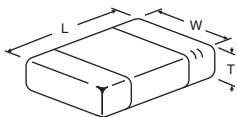
VISHAY 0402, 0603, 0805, 1206 - Ceramic Chip Capacitors



VJ SERIES

Features:

- Automotive preferred
- Temperature Coefficient of Capacitance (TCC):
COG (NP0): 0 ± 30PPM/°C from -55°C to +125°C
X7R: ±15%, from -55°C to +125°C, w/ 0 VDC applied
Z5U: ±22%, -56% from +10°C to +85°C
Y5V: ±22%, -82% from -30°C to +85°C
- Dissipation Factor:
COG (NP0): 0.1% max
X7R: ≤25V ratings: 3.5% max; 50V, 100V ratings: 2.5% max
Z5U: 25V ratings: 3.5% max; 50V ratings: 3.0% max
Y5V: 3.5% max
- NP0/COG: Ideal for critical timing and tuning applications
• X7R/X7S: Ideal for decoupling and filtering



LEAD-FREE

RoHS Compliant

Application note:

- A higher voltage capacitor may be used in a lower voltage application.

E.I.A. Style	Vishay Part No.	Length L	Width W	Maximum Thickness T
0402	VJ0402	0.040 ± 0.004 (1.02 ± 0.10)	0.020 ± 0.002 (0.51 ± 0.05)	0.024 (0.61)
0603	VJ0603	0.063 ± 0.005 (1.60 ± 0.12)	0.031 ± 0.005 (0.80 ± 0.12)	0.035 (0.89)
0805	VJ0805	0.079 ± 0.008 (2.00 ± 0.20)	0.049 ± 0.008 (1.25 ± 0.20)	0.053 (1.35)
1206	VJ1206	0.126 ± 0.008 (3.20 ± 0.20)	0.063 ± 0.008 (1.60 ± 0.20)	0.067 (1.68)

Style 0402

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Cap. (pF)	Volt (DC)	Tol. (%)	Temp. Coeff.	Price Each			
						1	100	1000	5000
77-VJ04Y16V103K	VJ0402Y103KXJAC	0.01uF	16	X7R	10	.05	.04	.03	.02
77-VJ04Y25V103K	VJ0402Y103KXXAC	0.01uF	25	X7R	10	.05	.04	.03	.02
77-VJ04Y50V102K	VJ0402Y102KXAC	1000	50	X7R	10	.05	.04	.03	.02

Style 0603

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Cap. (pF)	Volt (DC)	Tol. (%)	Temp. Coeff.	Price Each			
						1	100	1000	4000
77-VJ06Y16V333K	VJ0603Y333KXJAC	.033uF	16	X7R	10	.07	.06	.04	.02
77-VJ06Y16V473K	VJ0603Y473KXJAC	.047uF	16	X7R	10	.05	.04	.04	.03
77-VJ06Y25V223K	VJ0603Y223KXXAC	.022uF	25	X7R	10	.04	.03	.025	.019
77-VJ06Y25V333K	VJ0603Y333KXXAC	.033uF	25	X7R	10	.04	.03	.025	.019
77-VJ06Y25V473K	VJ0603Y473KXXAC	.047uF	25	X7R	10	.09	.07	.06	.05
77-VJ06A50V220J	VJ0603A220JXAC	22	50	COG	5	.07	.06	.04	.02
77-VJ06A50V331J	VJ0603A331JXAC	330	50	COG	5	.05	.04	.03	.02
77-VJ06Y50V102K	VJ0603Y102KXAC	1000	50	X7R	10	.05	.04	.03	.02
77-VJ06Y50V332K	VJ0603Y332KXAC	3300	50	X7R	10	.12	.10	.08	.06
77-VJ06Y50V472K	VJ0603Y472KXAC	4700	50	X7R	10	.12	.10	.08	.06
77-VJ06Y50V682K	VJ0603Y682KXAC	6800	50	X7R	10	.12	.10	.08	.06
77-VJ06Y50V103J	VJ0603Y103JXAC	.01uF	50	COG	5	.05	.04	.03	.02
77-VJ06Y50V103J	VJ0603Y103JXAC	.01uF	50	X7R	5	.05	.04	.03	.02
77-VJ06Y50V103K	VJ0603Y103KXAC	.01uF	50	X7R	10	.05	.04	.03	.02
77-VJ06A100V181J	VJ0603A181JXBAC	180	100	COG	5	.09	.07	.06	.05

Style 0805

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Cap. (pF)	Volt (DC)	Tol. (%)	Temp. Coeff.	Price Each			
						1	100	1000	3000
77-VJ08A50V100F	VJ0805A100FXAAT	10	50	COG	1	.66	.42	.37	.34
77-VJ08A50V100J	VJ0805A100JXAAT	10	50	COG	5	.05	.03	.02	.02
77-VJ08A50V150J	VJ0805A150JXAAT	15	50	COG	5	.05	.03	.02	.02
77-VJ08A50V180J	VJ0805A180JXAAT	18	50	COG	5	.05	.03	.02	.02
77-VJ08A50V220J	VJ0805A220JXAAT	22	50	COG	5	.10	.07	.06	.05
77-VJ08A50V330J	VJ0805A330JXAAT	33	50	COG	5	.04	.03	.025	.02
77-VJ08A50V470J	VJ0805A470JXAAT	47	50	COG	5	.04	.03	.02	.02
77-VJ08A50V101J	VJ0805A101JXAAT	100	50	COG	5	.07	.05	.03	.03
77-VJ08A50V221J	VJ0805A221JXAAT	220	50	COG	5	.06	.04	.02	.02
77-VJ08A50V471J	VJ0805A471JXAAT	470	50	COG	5	.06	.04	.03	.03
77-VJ08A50V102J	VJ0805A102JXAAT	1000	50	COG	5	.08	.06	.04	.04
77-VJ08A100V100J	VJ0805A100JXBAT	10	100	COG	5	.06	.04	.03	.03
77-VJ08A100V150J	VJ0805A150JXBAT	15	100	COG	5	.08	.06	.04	.04
77-VJ08A100V220J	VJ0805A220JXBAT	22	100	COG	5	.06	.04	.03	.03
77-VJ08A100V270J	VJ0805A270JXBAT	27	100	COG	5	.08	.06	.04	.04
77-VJ08A100V330J	VJ0805A330JXBAT	33	100	COG	5	.08	.06	.04	.04
77-VJ08A100V470J	VJ0805A470JXBAT	47	100	COG	5	.06	.04	.03	.03
77-VJ08A100V510J	VJ0805A510JXBAT	51	100	COG	5	.10	.07	.06	.05
77-VJ08A100V820J	VJ0805A820JXBAT	82	100	COG	5	.06	.04	.03	.03
77-VJ08A100V101F	VJ0805A101FXBAT	100	100	COG	1	.61	.39	.34	.32
77-VJ08A100V101J	VJ0805A101JXBAT	100	100	COG	5	.06	.04	.03	.03
77-VJ08A100V121J	VJ0805A121JXBAT	120	100	COG	5	.06	.04	.03	.03
77-VJ08A100V151J	VJ0805A151JXBAT	150	100	COG	5	.06	.04	.03	.03
77-VJ08A100V221J	VJ0805A221JXBAT	220	100	COG	5	.06	.04	.03	.03
77-VJ08A100V331J	VJ0805A331JXBAT	330	100	COG	5	.06	.04	.03	.03
77-VJ08A100V561J	VJ0805A561JXBAT	560	100	COG	5	.06	.04	.03	.03
77-VJ08A100V122J	VJ0805A122JXBAT	1200	100	COG	5	.09	.06	.05	.05
77-VJ08A100V152J	VJ0805A152JXBAT	1500	100	COG	5	.08	.06	.05	.04

Style 0805 (Cont.)

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Cap. (pF)	Volt (DC)	Tol. (%)	Temp. Coeff.	Price Each			
						1	100	1000	3000
77-VJ08Y25V104K	VJ0805Y104KXXAT	.1uF	25	X7R	10	.07	.05	.03	.03
77-VJ08A50V681J	VJ0805A681JXAAT	680	50	COG	5	.07	.05	.03	.03
77-VJ08A50V821J	VJ0805A821JXAAT	820	50	COG	5	.09	.06	.05	.05
77-VJ08Y50V102K	VJ0805Y102KXAAAT	1000	50	X7R	10	.05	.03	.015	.015
77-VJ08Y50V222K	VJ0805Y222KXAAAT	2200	50	X7R	10	.11	.09	.08	.06
77-VJ08Y50V332K	VJ0805Y332KXAAAT	3300	50	X7R	10	.12	.10	.08	.06
77-VJ08Y50V103J	VJ0805Y103JXAMT	.01uF	50	X7R	5	.10	.07	.06	.05
77-VJ08Y50V103K	VJ0805Y103KXAAAT	.01uF	50	X7R	10	.06	.03	.02	.02
77-VJ08Y50V223K	VJ0805Y223KXAAAT	.022uF	50	X7R	10	.10	.07	.03	.03
77-VJ08Y50V333K	VJ0805Y333KXAAAT	.033uF	50	X7R	10	.08	.05	.03	.03
77-VJ08Y100V471K	VJ0805Y471KXBAT	470	100	X7R	10	.12	.10	.08	.06
77-VJ08A100V102J	VJ0805A102JXBAT	1000	100	COG	5	.08	.06	.05	.04
77-VJ08Y100V102K	VJ0805Y102KXBAT	1000	100	X7R	10	.12	.10	.08	.06
77-VJ08Y100V103K	VJ0805Y103KXBAT	.01uF	100	X7R	10	.12	.10	.08	.06
77-VJ08Y100V223K	VJ0805Y223KXBAT	.022uF	100	X7R	10	.06	.04	.03	.02
77-VJ08Y100V473K	VJ0805Y473KXBAT	.047uF	100	X7R	10	.06	.05	.04	.03
77-VJ08Y200V103K	VJ0805Y103KXCAT	.01uF	200	X7R	10	.15	.10	.08	.08

Style 1206

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Cap. (pF)	Volt (DC)	Tol. (%)	Temp. Coeff.	Price Each			
						1	100	1000	3000
77-VJ12Y25V224K	VJ1206Y224KXXAT	.22uF	25	X7R	10	.13	.09	.07	.07
77-VJ12Y25V334K	VJ1206Y334KXXAT	.33uF	25	X7R	10	.28	.18	.15	.14
77-VJ12Y25V474K	VJ1206Y474KXXAT	.47uF	25	X7R	10	.28	.18	.15	.14
77-VJ12A50V220J	VJ1206A220JXAAT	22	50	COG	5	.10	.06	.04	.04
77-VJ12A50V330J	VJ1206A330JXAAT	33	50	COG	5	.07	.05	.04	.04
77-VJ12A50V101J	VJ1206A101JXAAT	100	50	COG	5	.08	.06	.04	.04
77-VJ12Y50V102K	VJ1206Y102KXAAAT	1000	50	X7R	10	.07	.06	.04	.03
77-VJ12Y50V222K	VJ1206Y222KXAAAT	2200	50	X7R	10	.06	.04	.03	.03
77-VJ12Y50V332K	VJ1206Y332KXAAAT	3300	50	X7R	10	.06	.04	.03	.03
77-VJ12A50V332J	VJ1206A332JXAAT	3500	50	COG	5	.13	.09	.07	.07
77-VJ12Y50V103K	VJ1206Y103KXAAAT	.01uF	50	X7R	10	.06	.04	.03	.03
77-VJ12Y50V223K	VJ1206Y223KXAAAT	.022uF	50	X7R	10	.06	.04	.03	.03
77-VJ12Y50V333K	VJ1206Y333KXAAAT	.033uF	50	X7R	10	.08	.06	.05	.04
77-VJ12Y50V473K	VJ1206Y473KXAAAT	.047uF	50	X7R	10	.06	.055	.045	.035
77-VJ12Y50V104K	VJ1206Y104KXAAAT	.1uF	50	X7R	10	.06	.04	.03	.03
77-VJ12Y50V224K	VJ1206Y224KXAAAT	.22uF	50	X7R	10	.16	.10	.09	.08
77-VJ12A100V150J	VJ1206A150JXBAT	15	100	COG	5	.06	.04	.03	.03
77-VJ12A100V220J	VJ1206A220JXBAT	22	100	COG	5	.09	.06	.05	.05
77-VJ12A100V270J	VJ1206A270JXBAT	27	100	COG	5	.11	.07	.06	.05
77-VJ12A100V390J	VJ1206A390JXBAT	39	100	COG	5	.12	.08	.06	.06
77-VJ12A100V470J	VJ1206A470JXBAT	47	100	COG	5	.12	.08	.07	.06
77-VJ12A100V101J	VJ1206A101JXBAT	100	100	COG	5	.09	.06	.05	.05
77-VJ12A100V121J	VJ1206A121JXBAT	120	100	COG	5	.11	.08	.06	.06
77-VJ12A100V56									