

CERAMIC CAPACITORS

Single-layer Capacitors



AC Rated Ceramic Disc Capacitors

	Product Family	Series	Voltage		Capacitance	Tolerance	Class	Temperature Characteristics	
			X rating	Y rating					
X2	Vishay Cera-Mite 	20VL	400 V _{AC}	-	9.0 nF to 100 nF	± 20 %	2	Y5V Z5U	
	Vishay Draloric 	W1X	275 V _{AC}	-	4.7 nF to 22 nF	± 20 %	2	Y5V	
X1/4	Vishay Cera-Mite 	125L	400 V _{AC}	125 V _{AC}	1.0 nF to 50 nF	± 20 %	2	Y5V	
X1/2	Vishay Draloric 	WYO	440 V _{AC}	250 V _{AC}	1.0 nF to 12 nF	± 20 %	2	Y5U	
		VKO	440 V _{AC}	300 V _{AC}	1.0 nF to 4.7 nF	± 10 % ± 20 %	2	Y5U	
		WKO	440 V _{AC}	300 V _{AC}	33 pF to 47 pF 68 pF to 4.7 nF	± 10 % ± 20 %	1 2	U2J (N750) Y5S Y5T Y5U	
	Vishay Cera-Mite 	25Y	400 V _{AC}	250 V _{AC}	1.0 nF to 8.0 nF	± 20 %	2	Y5S	
		30LVS	400 V _{AC}	250 V _{AC}	1.0 nF to 10 nF	± 20 %	2	Y5U Y5V	
		30LV	400 V _{AC}	300 V _{AC}	10 pF to 68 pF 100 pF to 15 nF	± 10 % ± 20 %	1 2	C0G (P100) U2J (N750) P3K (N1500) R3L (N2000) S3L (N3300) X7R Y5U	
	Vishay BCcomponents 	VY2⁽¹⁾	440 V _{AC}	300 V _{AC}	10 pF to 47 pF	± 10 % ± 20 %	1	U2J (N750)	
					68 pF to 10 nF		2	Y5S Y5U	
	X1/1	Vishay Draloric 	VKP	760 V _{AC}	500 V _{AC}	470 pF to 4.7 nF	± 10 % ± 20 %	2	Y5U
			WKP	760 V _{AC}	500 V _{AC}	33 pf 47 pF to 4.7 nF		1 2	U2J (N750) Y5S Y5T Y5U
Vishay Cera-Mite 		440L	400 V _{AC}	500 V _{AC}	10 pF to 47 pF	± 10 %		1	C0G (P100) U2J (N750) P3K (N1500) R3L (N2000)
					68 pF to 10 nF	± 10 % ± 20 %	2	X7R Y5U	
Vishay BCcomponents 		VY1⁽¹⁾	760 V _{AC}	500 V _{AC}	10 pF to 22 pF	± 10 % ± 20 %	1	U2J (N750)	
					33 pF to 4.7 nF		2	Y5S Y5U	

Capacitors - AC Rated Ceramic Disc



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Capacitors - Feed-Through Capacitors and Filters

Automotive Feed-Through Capacitors

	Product Family	Series	Voltage	Capacitance	Tolerance	Class	Temperature Characteristics
Standard		DEEQ2114	100 V _{DC}	450 pF	± 10% ± 20% + 50 %/- 20 %	2	X7R
		DEEQ4550		1.0 nF			
		DEEQ4555		1.0 nF			
		DEEQ7234		1.0 nF			
Customized		DDZZ4550	100 V _{DC}	1.0 nF	+ 50 %/- 20 %	2	X7R

Feed-Through Capacitors and Filters

	Product Family	Series	Voltage	Capacitance	Tolerance	Class	Temperature Characteristics
Feed-Through Capacitors		DDLK 03..	400 V _{DC}	1.5 pF to 6.8 nF	± 1 pF ± 10% ± 20 % + 50 %/ -20 % +80 %/- 20 %	1 and 2	P100, NP0, N075, N150, N470, N750, N1500, Y5P, Y5S, Y5U
		DDML 0312 DZML 0312 DUML 0312	400 V _{DC}	5.0 pF to 3.2 nF	± 1 pF ± 20 % + 30 %/ -20 % +50 %/- 20 %	1 and 2	P100, N150, N750, Y5P, Y5S
		DVML 0416	400 V _{DC}	25 pF to 5.0 nF	± 20 % + 50 %/- 20 %	1 and 2	P100, N150, N750, N1500, Y5P, Y5S, Y5U
		DVZL 0425	400 V _{DC}	10 nF	+ 50 %/- 20 %	2	Y5U
		DDMZ 0315	400 V _{DC}	47 pF to 4.7 nF	± 10% ± 20 % + 50 %/ -20 % +80 %/- 20 %	1 and 2	P100, N470, N750, N1500, Y5P, Y5S, Y5U
		DDML 0825	2000 V _{DC}	1.0 nF to 3.3 nF	± 20 % + 50 %/- 20 %	2	Y5P, Y5S
Feed-Through Filters		DDNL 0409	400 V _{DC}	1.6 nF	+ 30 %/- 20 % + 50 %/- 20 %	2	Y5S
		DDML 0310	200 V _{DC}	3.0 nF	+ 100 %/- 0 %	2	Y5U
		DDMZ 0312	200 V _{DC}	5.0 nF	+ 80 %/- 20 %	2	Y5U
		DDML 0409	400 V _{DC}	1.6 nF	+ 50 %/- 20 %	2	Y5U
		DDML 0416	400 V _{DC}	3.2 nF	+ 30 %/- 20 %	2	Y5S
DDML 0420	400 V _{DC}	7.0 nF	+ 30 %/- 20 %	2	Y5S		