

# 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 	<a href="#">20VL</a>	400 V <sub>AC</sub>	-	9.0 nF to 100 nF	± 20 %	2	Y5V Z5U	
	Vishay Draloric 	<a href="#">W1X</a>	275 V <sub>AC</sub>	-	4.7 nF to 22 nF	± 20 %	2	Y5V	
X1/4	Vishay Cera-Mite 	<a href="#">125L</a>	400 V <sub>AC</sub>	125 V <sub>AC</sub>	1.0 nF to 50 nF	± 20 %	2	Y5V	
X1/2	Vishay Draloric 	<a href="#">WYO</a>	440 V <sub>AC</sub>	250 V <sub>AC</sub>	1.0 nF to 12 nF	± 20 %	2	Y5U	
		<a href="#">VKO</a>	440 V <sub>AC</sub>	300 V <sub>AC</sub>	1.0 nF to 4.7 nF	± 10 % ± 20 %	2	Y5U	
		<a href="#">WKO</a>	440 V <sub>AC</sub>	300 V <sub>AC</sub>	33 pF to 47 pF 68 pF to 4.7 nF	± 10 % ± 20 %	1 2	U2J (N750) Y5S Y5T Y5U	
	Vishay Cera-Mite 	<a href="#">25Y</a>	400 V <sub>AC</sub>	250 V <sub>AC</sub>	1.0 nF to 8.0 nF	± 20 %	2	Y5S	
		<a href="#">30LVS</a>	400 V <sub>AC</sub>	250 V <sub>AC</sub>	1.0 nF to 10 nF	± 20 %	2	Y5U Y5V	
		<a href="#">30LV</a>	400 V <sub>AC</sub>	300 V <sub>AC</sub>	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 	<a href="#">VY2<sup>(1)</sup></a>	440 V <sub>AC</sub>	300 V <sub>AC</sub>	10 pF to 47 pF	± 10 % ± 20 %	1	U2J (N750)	
					68 pF to 10 nF		2	Y5S Y5U	
	X1/1	Vishay Draloric 	<a href="#">VKP</a>	760 V <sub>AC</sub>	500 V <sub>AC</sub>	470 pF to 4.7 nF 33 pf	± 10 % ± 20 %	2 1	Y5U U2J (N750)
			<a href="#">WKP</a>	760 V <sub>AC</sub>	500 V <sub>AC</sub>	47 pF to 4.7 nF		2	Y5S Y5T Y5U
Vishay Cera-Mite 		<a href="#">440L</a>	400 V <sub>AC</sub>	500 V <sub>AC</sub>	10 pF to 47 pF	± 10 % ± 20 %	1	C0G (P100) U2J (N750) P3K (N1500) R3L (N2000)	
					68 pF to 10 nF		2	X7R Y5U	
Vishay BCcomponents 		<a href="#">VY1<sup>(1)</sup></a>	760 V <sub>AC</sub>	500 V <sub>AC</sub>	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		<a href="#">DEEQ2114</a>	100 V <sub>DC</sub>	450 pF	± 10% ± 20% + 50 %/- 20 %	2	X7R
		<a href="#">DEEQ4550</a>		1.0 nF			
		<a href="#">DEEQ4555</a>		1.0 nF			
		<a href="#">DEEQ7234</a>		1.0 nF			
Customized		<a href="#">DDZZ4550</a>	100 V <sub>DC</sub>	1.0 nF	+ 50 %/- 20 %	2	X7R

### Feed-Through Capacitors and Filters

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

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