






**A WORLD OF SOLUTIONS**

VISHAY INTERTECHNOLOGY, INC.  
**CERAMIC CAPACITORS**

DC Rated Ceramic Disc Capacitors

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Product Family	Series	Voltage	Capacitance	Tolerance	Class	Temperature Characteristics	
Vishay BCcomponents 	<a href="#">D Series</a>	50 V <sub>DC</sub>	56 pF to 47 nF	± 0.25 pF ± 0.5 pF ± 5 % ± 10 % ± 20 % +80 % / -20 %	1 and 2	SL0, X5F, Y5P, Y5V, Z5U, Z5V	
		100 V <sub>DC</sub>	6.8 pF to 47 nF				
		500 V <sub>DC</sub>	6.8 pF to 22 nF				
	<a href="#">H Series</a>	500 V <sub>DC</sub>	1.0 pF to 4.7 nF		+80 % / -20 %	2	X7R
		1000 V <sub>DC</sub>	1.0 pF to 4.7 nF				
	<a href="#">S Series</a>	500 V <sub>DC</sub>	100 nF		+80 % / -20 %	2	Z5V
		1000 V <sub>DC</sub>	10 pF to 33 nF	± 0.25 pF ± 0.5 pF ± 5 % ± 10 % ± 20 % +80 % / -20 %	1 and 2	SL0, S3N, X5F, X7R, Y5P, Y5V, Z5U	
		2000 V <sub>DC</sub>	10 pF to 10 nF				
		3000 V <sub>DC</sub>	10 pF to 6.8 nF				
	6000 V <sub>DC</sub>	10 pF to 2.2 nF					
	Vishay Draloric 	<a href="#">HSZ..</a> <a href="#">HSE..</a>	500 V <sub>DC</sub>	10 pF to 10 nF	± 10 %, ± 20 % +50 % / -20 %	2	Y5T (2D3) Y5U (2E3)
		<a href="#">HAU..</a> <a href="#">HAZ..</a> <a href="#">HAE..</a> <a href="#">HAX..</a>	1000 V <sub>DC</sub>	10 pF to 680 pF	± 10 %	1	U2J (N750)
				47 pF to 22 nF	± 10 % ± 20 % +50 % / -20 %	2	Y5T (2D3) Y5U (2E3) Y5V (2F3)
10 pF to 470 pF				± 10 %	1	U2J (N750)	
<a href="#">HBU..</a> <a href="#">HBZ..</a> <a href="#">HBE..</a> <a href="#">HBX..</a>		2000 V <sub>DC</sub>	56 pF to 22 nF	± 10 % ± 20 % +50 % / -20 %	2	Y5T (2D3) Y5U (2E3) Y5V (2F3)	
			10 pF to 330 pF	± 10 %	1	U2J (N750)	
			68 pF to 10 nF	± 10 % ± 20 %	2	Y5T (2D3), Y5U (2E3) 2Y5V	
<a href="#">HCU..</a> <a href="#">HCZ..</a> <a href="#">HCE..</a>		3000 V <sub>DC</sub>	10 pF to 470 pF	± 10 %	1	U2J (N750)	
			33 pF to 4.7 nF	± 20 %	2	Y5U (2E3)	
<a href="#">HEU..</a> <a href="#">HEE..</a>		5000 V <sub>DC</sub>	22 pF to 330 pF	± 10 %	1	U2J (N750)	
			220 pF to 2.2 nF	± 20 %	2	Y5U (2E3)	
<a href="#">HFU..</a> <a href="#">HFZ... HFE..</a>		6000 V <sub>DC</sub>	10 pF to 330 pF	± 10 %	1	U2J (N750)	
			56 pF to 6.8 nF	± 20 %	2	Y5T (2D3), Y5U (2E3)	
<a href="#">HGZ..</a>		8000 V <sub>DC</sub>	100 pF to 2.2 nF	± 20 %	2	Y5T (2D3)	
Vishay Cera-Mite 		<a href="#">561R5GA, 562R5GA</a> <a href="#">562R5HK, 565R10HK,</a> <a href="#">565R10GA</a>	1000 V <sub>DC</sub>	10 pF to 100 nF	± 20 %	1 and 2 3	COG (NP0), U2J (N750), X5F, X7R, Y5U, Z5U Y5V, Z5V
	<a href="#">564R20GA</a> <a href="#">565R20GA</a>	2000 V <sub>DC</sub>	1.0 nF to 100 nF	± 20 %	2	Y5U, Y5V, Z5U	
	<a href="#">564R30GA</a> <a href="#">565R30GA</a>	3000 V <sub>DC</sub>	10 pF to 33 nF	± 20 %	1 and 2	U2J (N750), R3L (N2200), X7R, Y5U, Y5V, Z5U	
	<a href="#">564R60GA</a>	6000 V <sub>DC</sub>	10 pF to 10 nF	± 20 %	1 and 2	COG (NP0), U2J (N750), R3L (N2200), X5F, X5S, Y5U, Z5U	
	<a href="#">564R75GA</a>	7500 V <sub>DC</sub>	100 pF to 2.5 nF	± 20 % +80 % / -20 %	2	X5F, Y5U, Z5U	
	<a href="#">615R100GA</a>	10 000 V <sub>DC</sub>	250 pF to 3.3 nF	± 20 %	1 and 2	T3M (N4700), X5F, Y5R, Y5U, Z5U	
	<a href="#">615R150GA</a>	15 000 V <sub>DC</sub>	100 pF to 2.5 nF	+80 % / -20 %			






General Purpose



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	Product Family	Series	Voltage	Capacitance	Tolerance	Class	Temperature Characteristics			
Narrow Tolerance	Vishay BCcomponents 	<a href="#">D Series</a>	100 V <sub>DC</sub>	1.5 pF to 330 pF	± 0.25 pF ± 2 %	1	U2J (N750)			
			500 V <sub>DC</sub>	1.0 pF to 150 pF						
Temperature and Voltage Stabilized	Vishay Cera-Mite 	<a href="#">561R10TC</a>  <a href="#">561R10TS</a> <a href="#">562R10TS</a>	1000 V <sub>DC</sub>	1.0 pF to 680 pF	± 0.5 pF ± 5 %	1	C0G C0K (NP0) U2J (N750) M3K (N1000) S3N (N3300)			
			2000 V <sub>DC</sub>	100 pF to 6.8 nF				± 10 % ± 20 %	2	X7R, Y5S
			3000 V <sub>DC</sub>	680 pF to 6.8 nF						
Low Dissipation Factor	Vishay BCcomponents 	<a href="#">F Series</a>	500 V <sub>DC</sub>	100 pF to 2.7 nF	± 10 %	2	Y5R			
			1000 V <sub>DC</sub>	100 pF to 4.7 nF						
			2000 V <sub>DC</sub>	100 pF to 4.7 nF						
			3000 V <sub>DC</sub>	100 pF to 2.7 nF						
	Vishay Draloric 	<a href="#">HAK..</a>	1000 V <sub>DC</sub>	100 pF to 4.7 nF	± 20 %	2	Y5S (2C3)			
			2000 V <sub>DC</sub>	100 pF to 4.7 nF			Y5S (2C3)			
			3000 V <sub>DC</sub>	100 pF to 3.3 nF			Y5S (2C3)			
			15 000 V <sub>DC</sub>	100 pF to 1.5 nF			Y5T			
			25 000 V <sub>DC</sub>	12 pF to 36 pF		1	U2J (N750) R3L (N2200)			
	Vishay Cera-Mite 	<a href="#">561R1DF0</a>  <a href="#">564R2DF0</a>  <a href="#">564R3DF0</a>	1000 V <sub>DC</sub>	10 pF to 6.8 nF	± 5 % ± 10 %	1	C0G (NP0) N1500 N2000 R3L (N2200) N2500 N2800			
2000 V <sub>DC</sub>			10 pF to 6.8 nF							
3000 V <sub>DC</sub>			10 pF to 4.7 nF							

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