






CERAMIC CAPACITORS

DC Rated Ceramic Disc Capacitors

DC Rated Ceramic Disc Capacitors

	Product Family	Series	Voltage	Capacitance	Tolerance	Class	Temperature Characteristics	
General Purpose	Vishay BCcomponents 	D Series	50 V _{DC}	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 _{DC}	6.8 pF to 47 nF				
			500 V _{DC}	6.8 pF to 22 nF				
		H Series	500 V _{DC}	1.0 pF to 4.7 nF		+80 % / -20 %	2	X7R
			1000 V _{DC}	1.0 pF to 4.7 nF				
		S Series	500 V _{DC}	100 nF		+80 % / -20 %	2	Z5V
			1000 V _{DC}	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 _{DC}	10 pF to 10 nF				
			3000 V _{DC}	10 pF to 6.8 nF				
		6000 V _{DC}	10 pF to 2.2 nF					
	Vishay Draloric 	HSZ.. HSE..	500 V _{DC}	10 pF to 10 nF	± 10 %, ± 20 % +50 % / -20 %	2	Y5T (2D3) Y5U (2E3)	
		HAU.. HAZ.. HAE.. HAX..	1000 V _{DC}	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)	
		HBU.. HBZ.. HBE.. HBX..	2000 V _{DC}	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	
		HCU.. HCZ.. HCE..	3000 V _{DC}	10 pF to 470 pF	± 10 %	1	U2J (N750)	
				33 pF to 4.7 nF	± 20 %	2	Y5U (2E3)	
		HJU.. HJE..	4000 V _{DC}	22 pF to 330 pF	± 10 %	1	U2J (N750)	
				220 pF to 2.2 nF	± 20 %	2	Y5U (2E3)	
		HFU.. HFZ... HFE..	6000 V _{DC}	10 pF to 330 pF	± 10 %	1	U2J (N750)	
				56 pF to 6.8 nF	± 20 %	2	Y5T (2D3), Y5U (2E3)	
		HGZ..	8000 V _{DC}	100 pF to 2.2 nF	± 20 %	2	Y5T (2D3)	
	Vishay Cera-Mite 	561R5GA, 562R5GA 562R5HK, 565R10HK, 565R10GA	1000 V _{DC}	10 pF to 100 nF	± 20 %	1 and 2	COG (NP0), U2J (N750), X5F, X7R, Y5U, Z5U	
		564R20GA 565R20GA	2000 V _{DC}	1.0 nF to 100 nF	± 20 %	2	Y5U, Y5V, Z5U	
		564R30GA 565R30GA	3000 V _{DC}	10 pF to 33 nF	± 20 %	1 and 2	U2J (N750), R3L (N2200), X7R, Y5U, Y5V, Z5U	
		564R60GA	6000 V _{DC}	10 pF to 10 nF	± 20 %	1 and 2	COG (NP0), U2J (N750), R3L (N2200), X5F, X5S, Y5U, Z5U	
564R75GA		7500 V _{DC}	100 pF to 2.5 nF	± 20 % +80 % / -20 %	2	X5F, Y5U, Z5U		
615R100GA		10 000 V _{DC}	250 pF to 3.3 nF	± 20 %	1 and 2	T3M (N4700), X5F, Y5R, Y5U, Z5U		
615R150GA		15 000 V _{DC}	100 pF to 2.5 nF	+80 % / -20 %				







A **WORLD OF**
SOLUTIONS



CERAMIC CAPACITORS

DC Rated Ceramic Disc Capacitors

DC Rated Ceramic Disc Capacitors

	Product Family	Series	Voltage	Capacitance	Tolerance	Class	Temperature Characteristics
Narrow Tolerance	Vishay BCcomponents 	D Series	100 V _{DC}	1.5 pF to 330 pF	± 0.25 pF ± 2 %	1	U2J (N750)
			500 V _{DC}	1.0 pF to 150 pF			
	Vishay Cera-Mite 	561R10TC	1000 V _{DC}	1.0 pF to 680 pF	± 0.5 pF ± 5 %	1	C0G C0K (NP0) U2J (N750) M3K (N1000) S3N (N3300)
Temperature and Voltage Stabilized	Vishay Cera-Mite 	561R10TS 562R10TS	1000 V _{DC}	10 pF to 10 nF	± 10 %	1 and 2	C0G (NP0) U2J (N750) X5F, X7R
		564R20TS	2000 V _{DC}	100 pF to 6.8 nF	± 10 % ± 20 %	2	X7R, Y5S
		564R30TS	3000 V _{DC}	680 pF to 6.8 nF	± 10 % ± 20 %	2	X7R, Y5S
Low Dissipation Factor	Vishay BCcomponents 	F Series	500 V _{DC}	100 pF to 2.7 nF	± 10 %	2	Y5R
			1000 V _{DC}	100 pF to 4.7 nF			
			2000 V _{DC}	100 pF to 4.7 nF			
			3000 V _{DC}	100 pF to 2.7 nF			
	Vishay Draloric 	HAK..	1000 V _{DC}	100 pF to 4.7 nF	± 20 %	2	Y5S (2C3)
		HBK..	2000 V _{DC}	100 pF to 4.7 nF			Y5S (2C3)
		HCK..	3000 V _{DC}	100 pF to 3.3 nF			Y5S (2C3)
		HIK..	15 000 V _{DC}	100 pF to 1.5 nF			Y5T
		IEL..	25 000 V _{DC}	12 pF to 36 pF			U2J (N750) R3L (N2200)
	Vishay Cera-Mite 	561R1DF0	1000 V _{DC}	10 pF to 6.8 nF	± 5 % ± 10 %	1	C0G (NP0) N1500 N2000 R3L (N2200) N2500 N2800
564R2DF0		2000 V _{DC}	10 pF to 6.8 nF				
564R3DF0		3000 V _{DC}	10 pF to 4.7 nF				

This document can be found using the following url: www.vishay.com/doc?49176