

New HVCC Series Radial-Leaded High Voltage Single Layer Ceramic Disc Capacitors Offer Industry-High Capacitance of 2 nF in Small Sizes to Save Space, Lower Assembly Costs, and Increase Reliability

Product Benefits:

- Offered in compact case sizes
- High capacitance values to 2 nF with standard tolerances of $\pm 20\%$
- Guaranteed load life performance of 1000 h at 125 % rated voltage and +105 °C
- Dissipation factor of $< 1.5\%$
- Voltages from 10 kV_{DC} to 15 kV_{DC}
- Operate over a temperature range of -30 °C to +105 °C
- Available with straight leads with spacing of 9.5 mm and 12.5 mm
- RoHS-compliant
- Encapsulation is made of flame-resistant epoxy resin in accordance with UL 94 V-0



Market Applications:

- High voltage generators for dental and baggage scanners, medical and industrial x-ray applications, and pulsed lasers

Buy It Now:

[Check distributor stock on the Vishay website](#)

The News:

Vishay Intertechnology introduces a new series of radial-leaded high voltage single layer ceramic disc capacitors in compact sizes. The industry's only such components to deliver high capacitance values of 2 nF, Vishay Roederstein HVCC series capacitors offer guaranteed load life performance of 1000 h and a low dissipation factor of $< 1.5\%$.

- May offer qualified and high performance drop-in replacements for almost all Murata part numbers starting with DHR, for which the company has sent out an official discontinuation notice. Please refer to Vishay's HVCC series datasheets to verify requirements
- Eliminate the need to utilize two 1 nF capacitors in parallel to reach values of 2 nF, saving space, reducing assembly costs, and increasing reliability
- Available with 20 kV_{DC} rated voltage, $\pm 10\%$ tolerance, and custom lead styles on request
- Silver-plated ceramic disc with tinned copper-clad steel connection leads offering 0.6 mm and 0.8 mm diameters



The Key Specifications:

Series	HVCC	
Ceramic class	2	
Ceramic dielectric	Y6P	
Voltage (V _{DC})	10 000	15 000
Min. capacitance (pF)	100	100
Max. capacitance (pF)	2000	2000
Mounting	Radial	

Availability:

Samples are available now from Vishay. Production quantities are available with lead times of eight weeks.

To access the product datasheet on the Vishay Website, go to <http://www.vishay.com/ppg?23144> (HVCC Series)

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