



# PD COUPLING CAPACITOR



Top vlew



Bottom vlew



## Features:

Excellent PDEV Sensitivity

Operating Bandwidth Range: 40 MHz to 350 MHz

Excellent endurance and thermal stability s due to the use of natural mica

PD coupling capacitor are capable to allow high frequency (>40MHz) signals.

## Specifications:

Capacitance Tolerance:  $\pm 5\%$

Dissipation Factor:  $\leq 0.001\%$

PDEV Sensitivity:  $\leq 1$  pC

Operating Temperature:  $-50^{\circ}\text{C}$  to  $+130^{\circ}\text{C}$

## Application:

PD Coupling Capacitors are designed to detect Partial Discharge (PD) activity in motor, generator & insulated bus bar without imposing on the machine's operation.

Act as a Sensor to detect partial discharge activity in electrical equipment on-line and off-line and off-line system.

Type	Capacitance (pF) @ 1 kHz	Working Voltage (KV)	PDEV (KV)	AC Hipot (KV)@ 1 min	Approx Mass (Kg)	Maximum Dimension (IN)	
						Height	Diameter
IDCG800V07	80	7	8.1	15	1.2	4	3
IDCG800V10	80	10	11.6	21	1.5	5	3
IDCG800V15	80	15	17.4	31	1.7	6	4
IDCG800V20	80	20	23.2	41	1.8	7	4
IDCG800V25	80	25	29	51	2.0	8	4
IDCG102V07	1000	7	8.1	15	2.0	5	4
IDCG102V10	1000	10	11.6	21	2.2	6	4
IDCG102V12	1000	12	12.8	25	2.3	6	4
IDCG102V15	1000	15	17.4	31	3.0	8	4
IDCG102V25	1000	25	29	51	4.5	11	4

\* Capacitance of higher working voltage & beyond the range can be supplied against specific enquiries.

\* customized dimension could be available as per request.