RUGGED MONITORING
MONITORING SIMPLIFIED

Technical Specifications

Parameters	2nF 24kV	2nF 17.5kV	1nF 17.5kV	1nF 7.2kV	1nF 26kV	9nF 36kV	2nF 12.5kV
Coupler Capacitance	2nF	2nF	1nF	1nF	1nF	9nF	2nF
Nominal Voltage (PH Voltage of Capacitor)	24kV AC	178.5kV AC	178.5kV AC	7.2kV	26kV AC	36kV AC	12.5kV
Power Freq. Withstand Voltage	50kV AC	38kV AC	38kV AC	20kV AC	55kV AC	65kV AC	28kV AC
Lightning Impedence Withstand Voltage (BIL)	125 kV	95 kV	95 kV	65 kV	175 kV	150 kV	75 kV
Creepage distance	490 mm	330 mm	330 mm	135 mm	580 mm	600 mm	240 mm
Sensitvity	1pC	1pC	1pC	1pC	1pC	<2pC	1pC
Connection	Top Side M12 PD Free Nut	Top Side M12 PD Free Nut	Top Side M12 PD Free Nut	Top Side M12 PD Free Nut	Top Side M12 PD Free Nut	Top Side M10 bolts	Top Side M12 PD Free Nut
Material	Epoxy Resin	Epoxy Resin	Epoxy Resin	Epoxy Resin	Epoxy Resin	Composite silicon Grey	Epoxy Resin
Tan Delta	<0.2%	<0.2%	<0.2%	<0.2%	<0.2%	<0.2%	<0.2%
PD Value @25kV, 50 Hz	<5pc at 26kV	<5pc at 21kV	<5pc at 21kV	<5pc at 9.0kV	<5pc at 30kV	<5pc at 30kV	<5pc at 13kV
Dimensions	Height = 253 mm	Height = 175 mm	Height = 175 mm	Height = 95 mm	Height = 260 mm	Height = 342 mm	Height = 160 mm
	Bottom diameter = 190mm	Bottom diameter = 100mm	Bottom diameter = 100mm	Bottom diameter = 100mm	Bottom diameter = 190mm	Bottom diameter = 149mm	Bottom diameter = 100mm
	Top diameter = 155mm	Top diameter = 100mm	Top diameter = 100mm	Top diameter = 95mm	Top diameter = 155mm	Top diameter = 191mm	Top diameter = 95mm
Weight	8.5 Kg	3.5 Kg	3.5 Kg	<2.1 Kg	>4.2 Kg	>4.2 Kg	<2.1 Kg
Capacitance	2nF ±10%	2nF ±10%	1nF ±10%	1nF ±10%	1nF ±10%	9nF ±10%	2nF ±10%
Temperature Range	[-20,60]°C	[-20,85]°C	[-20,85]°C	[-20,85]°C	[-20,60]°C	[0 + 85]°C	[-20,85]°C
Operating Humidity	95% humidity at 50°C	95% humidity at 50°C	95% humidity at 50°C	95% humidity at 50°C	95% humidity at 50°C	95% humidity at 50°C	95% humidity at 50°C
Signal Cable	RG223 or RG 58 50ohm	RG223 or RG 58 50ohm	RG223 or RG 58 50ohm	RG223 or RG 58 50ohm	RG223 or RG 58 50ohm	RG223 or RG 58 50ohm	RG223 or RG 58 50ohm
PD Bandwidth	20KHz-30MHz	20KHz-30MHz	20KHz-30MHz	20KHz-30MHz	20KHz-30MHz	100KHz-30MHz	20KHz-30MHz
Sync Bandwidth	1 Hz-1KHz (0,1 Hz Variant available)	1 Hz-1KHz (0,1 Hz Variant available)	1 Hz-1KHz (0,1 Hz Variant available)	1 Hz-1KHz (0,1 Hz Variant available)	1 Hz-1KHz (0,1 Hz Variant available)	10Hz-1000Hz	1 Hz-1KHz (0,1 Hz Variant available)
PD Output Conncetors	TNC Female	TNC Female	TNC Female	TNC Female	TNC Female	BNC Female	TNC Female
Sync. Output Connectors	TNC Female	TNC Female	TNC Female	TNC Female	TNC Female	TNC Female	TNC Female
Internal Voltage Protection	>100 V Peak across the Impedance	>100 V Peak across the Impedance	>100 V Peak across the Impedance	>100 V Peak across the Impedance	>100 V Peak across the Impedance	>100 V Peak across the Impedance	>100 V Peak across the Impedance
Quadrpole/ Measuring Impedance	Fixed at bottom of the couplers	Fixed at bottom of the couplers	Fixed at bottom of the couplers	Fixed at bottom of the couplers	Fixed at bottom of the couplers	Fixed at bottom of the couplers	Fixed at bottom of the couplers