

Series PEM HP

In opposition to our detectors of series PEM Standard this detectors are made for higher average power densities and a higher average power. As absorption coating we use our proven black coating with an very high and flat absorption over a wide wavelength range for these detectors.

	PEM 45 HP	PEM 20 HP
Diameter of active area	45 mm	20 mm
sensitivity	8 .. 15 V/J at 1 MOhm 4 .. 8 V/J at 100 kOhm	30 .. 50 V/J at 1 MOhm 8 .. 20 V/J at 100 kOhm
Max. repetition rate	25 Hz at 1 MOhm 100 Hz at 100 kOhm	50 Hz at 1 MOhm 150 Hz at 100 kOhm
Max. average power	5 W	3 W
Max. average power density	0.5 W/cm ²	0.5 W/cm ²
Detection threshold	100 µJ	50 µJ
Accuracy	±3 %	±3 %
Connector	BNC, E-connector with EEPROM	
Dimensions (Ø x Length)	70 mm x 47 mm	46 mm x 21 mm

