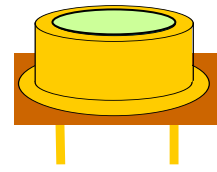


Silicon Photodetectors

SERIES BPW 21

Internationally recognised eye response silicon P on N Photodiode



TYPICAL CHARACTERISTICS @ 23°C

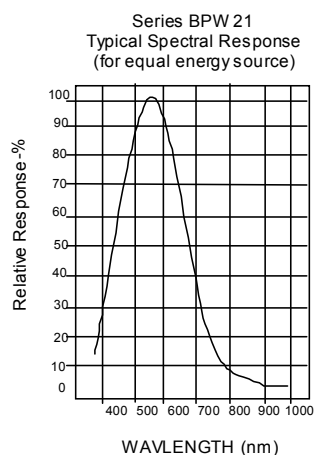
Active Area		7.5	mm ²
Responsivity (Standard Illuminant A.2854°K)		7	nA.lux ⁻¹
Wavelength for Peak Responsivity		560	nm
Useful Wavelength Range		460-750	nm
Maximum Operating Voltage		10	V
Dark Current	5V	2.0	nA
Rise Time	5V	1.0	µs
Capacitance	0V	490	pF
	5V	170	pF
Noise Equivalent Power	5V	1.4 x 10 ⁻⁵	lux.Hz ^{-1/2}
Operating Temperature		-25 to +100	°C
Package (non isolated)		TO5	
Field of View		124	Degrees

Technology:

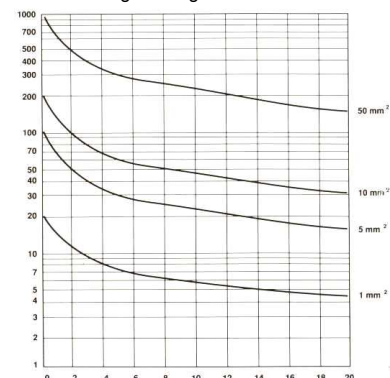
Sensitivity approximating eye response achieved by incorporating filter in package with silicon chip.

Applications:

- Room Lighting Control
- Daylight Monitoring
- CRT Brightness Control
- LED/Alphanumeric Operational Monitor
- Camera Exposure Control
- Automatic Light Switching
- Verifying Lighting Safety Standards



Series BPW 21 Typical Capacitance versus Bias Voltage for a given Detector Area



Due to our policy of continued development, specifications are subject to change without notice.

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FM25100



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