

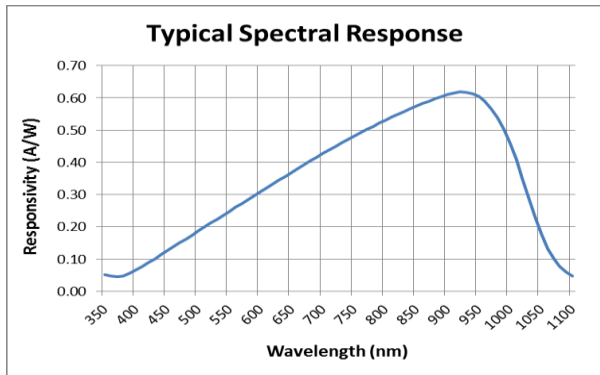
**APPLICATIONS**

- Backscatter detector for reflectivity measurements

*Actual unit may differ.*

**FEATURES**

- 350-1100nm Range
- Quadrant Detector
- $\phi 200\mu\text{m}$  laser cut hole on chip
- Annular package design ideal for coupling with LC ferrule



**Typical Electro-Optical Specifications @ 23°C, per channel, unless otherwise specified**

Parameters	Condition	Min	Typ	Max	Unit
Active Area Dimensions (All Four Quads)			$\phi 10$		mm
Active Area Per Element			19.5		mm <sup>2</sup>
Element Gap			0.014		mm
Responsivity	@ $\lambda=790\text{nm}$		0.55		A/W
Capacitance	@ $V_R=10\text{V}$		60		pF
Dark Current	@ $V_R=10\text{V}$		0.5	10	nA
Reverse Voltage				30	V
Rise Time	@ $V_R=10\text{V}, \lambda=780\text{nm}, R_L=50\Omega$		6		ns
Noise Equivalent Power	@ $V_R=10\text{V}, \lambda=970\text{nm}$		1.9e-14		W/ $\sqrt{\text{Hz}}$
Operating Temperature		-20		+60	°C
Storage Temperature		-20		+80	°C

