RX-0012



- Silicon PIN diode
- 500MHz bandwidth

Performance Highlights

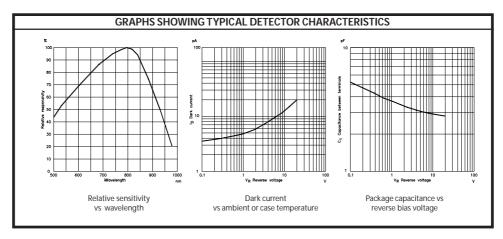
- Minimum responsivity 0.8A/W at 800nm Max capacitance 3pF
- Max dark current 0.05nA

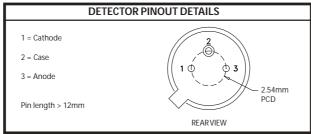
LIMITING VALUES	SYMBOL	VALUE	UNITS
Continuous reverse voltage	$V_{_{\mathrm{R}}}$	20	V
Power dissipation	Р	50	mW
Operating temperature	T _{amb}	-30 to +80	°C
Storage temperature	T_{stg}	-30 to +85	°C
Soldering temperature 2mm from case for 10s (either device)	T_{sld}	240	°C

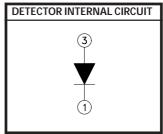
OPTICAL/ELECTRICAL CHARACTERISTICS	SYMBOL	MIN	TYP	MAX	UNITS	TEST CONDITION
Responsivity	R	0.8			A/W	$\lambda = 800$ nm
Cutoff frequency	f _c			500	MHz	$V_R = 10V$
Capacitance	C _T			3	pF	$V_R = 10V, f = 1MHz$
Dark current	I _D		10	50	pА	$V_R = 10V$

All values apply at a temperature of 25°C









NOTES:

1) The device is very susceptible to damage by electrostatic discharge.