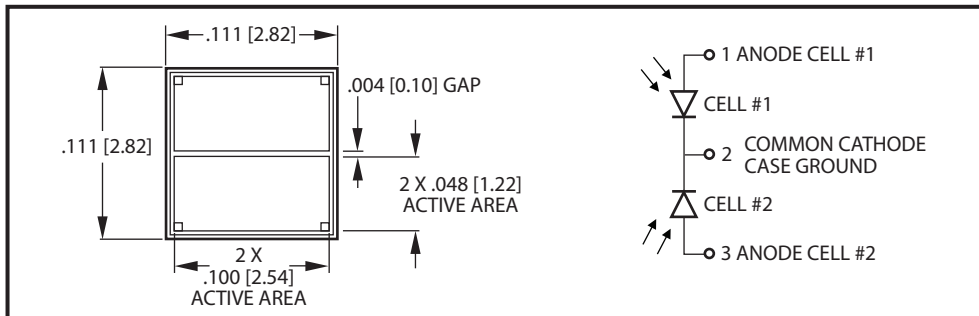


**FEATURES**

- Red enhanced
- Low noise
- High response
- High shunt resistance
- Low profile TO-5 package



**ELECTRO-OPTICAL CHARACTERISTICS AT 25°C**

CHARACTERISTIC	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Dark Current, $I_D$	$V_R = 5\text{ V}$		0.9	2.5	na
Shunt Resistance, $R_{SH}$	$V_R = 10\text{ mV}$		300		$M\Omega$
Junction Capacitance, $C_J$	$V_R = 0\text{ V}, f = 1\text{ MHz}$		30		pF
Junction Capacitance, $C_J$	$V_R = 10\text{ V}, f = 1\text{ MHz}$		7.5		pF
Spectral Application Range, $\lambda_{range}$	Spot Scan	250		1100	nm
Responsivity, R	$\lambda = 633\text{ nm}, V_R = 0\text{ V}$	0.32	0.36		A/W
Responsivity, R	$\lambda = 900\text{ nm}, V_R = 0\text{ V}$	0.50	0.60		A/W
Breakdown Voltage, $V_R$	$I_R = 10\ \mu\text{A}$		75		V
Noise Equivalent Power, NEP	$V_R = 0\text{ V}, \lambda = 950\text{ nm}$		$2.5 \times 10^{-14}$		W/ $\sqrt{\text{HZ}}$
Response Time, $t_r^1$	$RL = 50\ \Omega, V_R = 0\text{ V}$		190		nsec
Response Time, $t_r^1$	$RL = 50\ \Omega, V_R = 10\text{ V}$		8		nsec

<sup>1</sup>Response time of 10% to 90% is specified at 660 nm.

**ABSOLUTE MAXIMUM RATINGS AT 25°C**

PARAMETER	MIN	MAX	UNITS
Reverse Voltage, $V_R$		100	V
Storage Temperature, $T_{STG}$	- 55	+150	°C
Operating Temperature, $T_O$	- 40	+125	°C
Lead Soldering Temperature (1/16" from case for 3 sec)		+260	°C



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