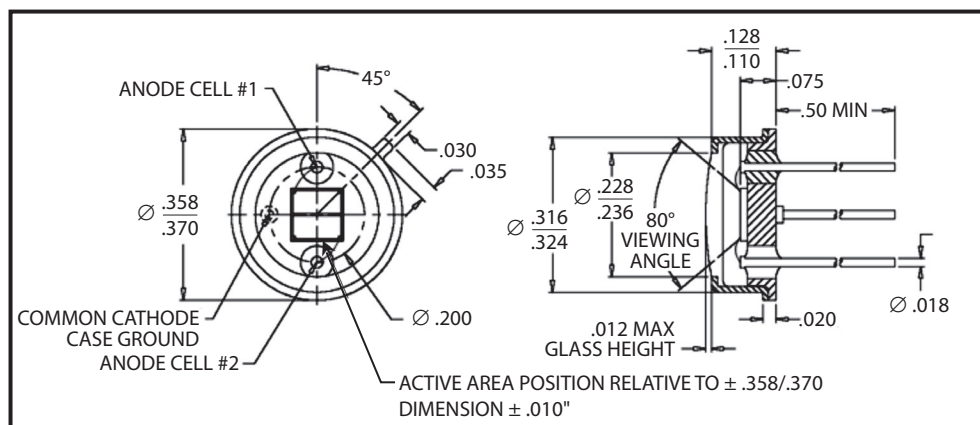
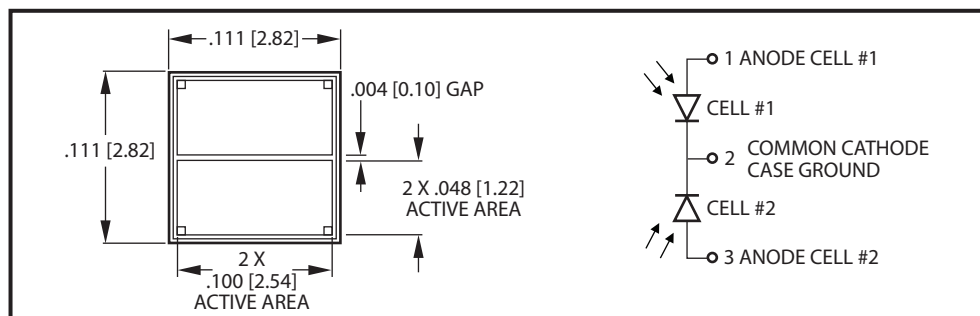




FEATURES

- 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, λ_{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	$V_R = 0 \text{ V}, \lambda = 950 \text{ nm}$		2.5×10^{-14}		W/√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

¹Response 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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