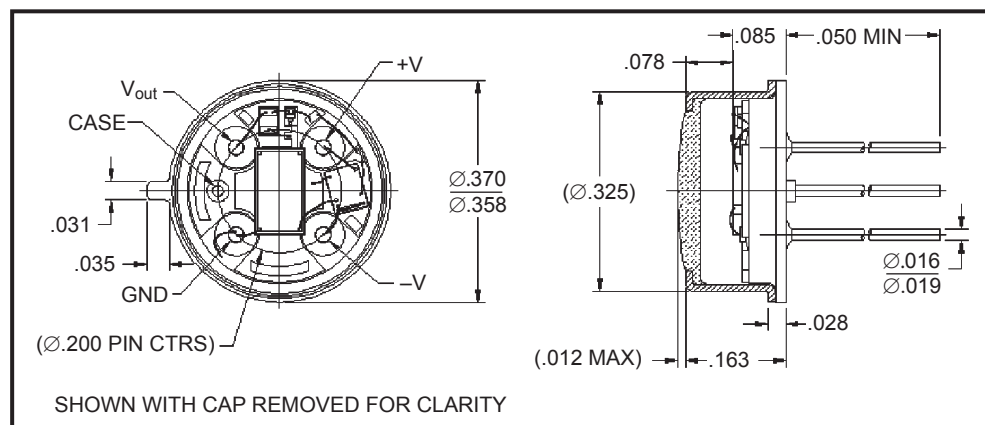
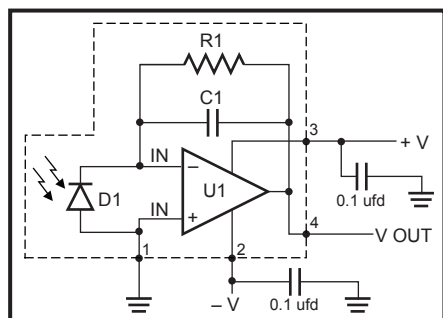




FEATURES

- Large active area
- Low noise
- High sensitivity
- Custom gains available
- Hermetically sealed TO-39
- Blue enhanced detectors



ELECTRO-OPTICAL CHARACTERISTICS AT 23°C

PARAMETERS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Dark Offset	$V_s = \pm 5\text{ V}$		1	± 2	mV
Dark Offset Noise	$V_s = \pm 5$ BW = 0.1 to 135 Hz		283	500	$\mu\text{V rms}$
Sensitivity	$V_s = \pm 5\text{ V}$ $\lambda = 450\text{ nm}$	100	140		$\text{V}/\mu\text{W}$
Frequency Response (-3 db)	$V_s = \pm 5\text{ V}$ $\lambda = 940\text{ nm}$	100	130		Hz
NEP	$\lambda = 940\text{ nm}$		0.06		$\text{pW}/\sqrt{\text{Hz}}$
Transimpedance Gain			500		$\text{M}\Omega$
Supply Current			850	950	μA

THERMAL PARAMETERS

Voltage Supplies	$\pm 5\text{ to } \pm 15\text{ V}$
Power Dissipation	30 mW
Storage and Operating Temperature	$-25^\circ\text{ to } +100^\circ\text{ C}$
Soldering Temperature (1/16" from case for 3 seconds max)	$+260^\circ\text{ C}$

