

DATE

REVISIONS

REV

DRAWING NUMBER
OED-SP-1556SN

REV

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$

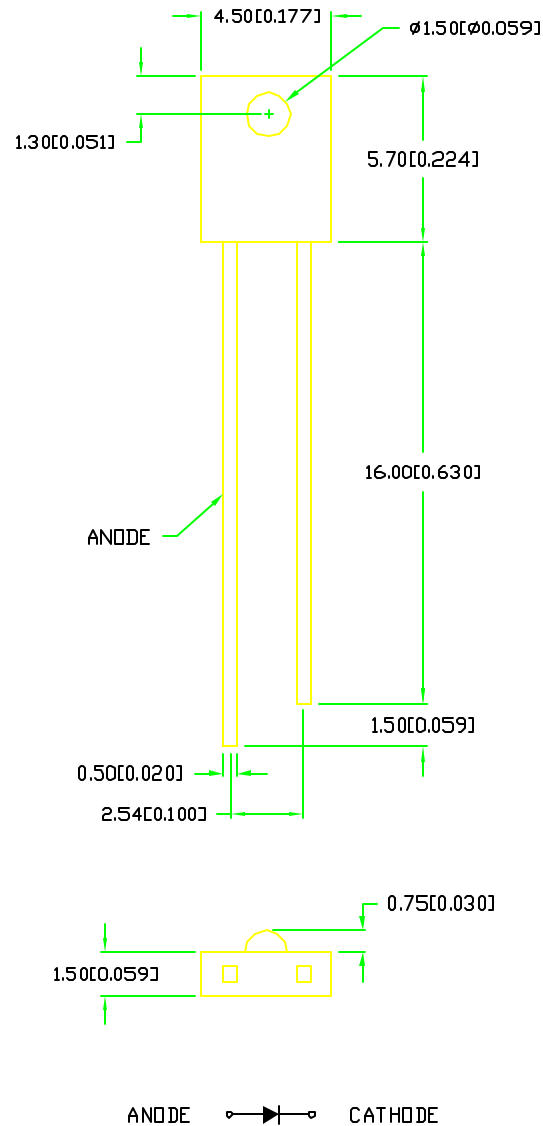
PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	V_{oc}	$E_e=0.5\text{mw/cm}^2$		0.39		V
SHORT CIRCUIT CURRENT	I_{sc}	$E_e=0.5\text{mw/cm}^2$		10		μA
DARK CURRENT	I_d	$V_r=10\text{V}$ $E_e=0.5\text{mw/cm}^2$			10	nA
TERMINAL CAPACITANCE	C_t	$V_r=3\text{V}$, $F=1\text{MHz}$		5		pF
RESPONSE TIME	T_r/T_f	$V_r=10\text{V}$, $R_l=1000\Omega$		6/6		nS
SPECTRAL SENSITIVITY	λ			450~1050		nm
PEAK WAVELENGTH	λ_p			900		nm
HALF ANGLE	$\Delta\theta$			± 20		DEG
LENS COLOR:	CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	20	V
POWER DISSIPATION	20	mW
OPERATING TEMP.	-25 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010''$)

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DATE: 12-18-97	DWN:	CHK'D:	APPD:
SCALE: N/A			
T-1.5mm RIGHT ANGLE DOME LENS, PHOTODIODE.			
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