

UNCONTROLLED DOCUMENT

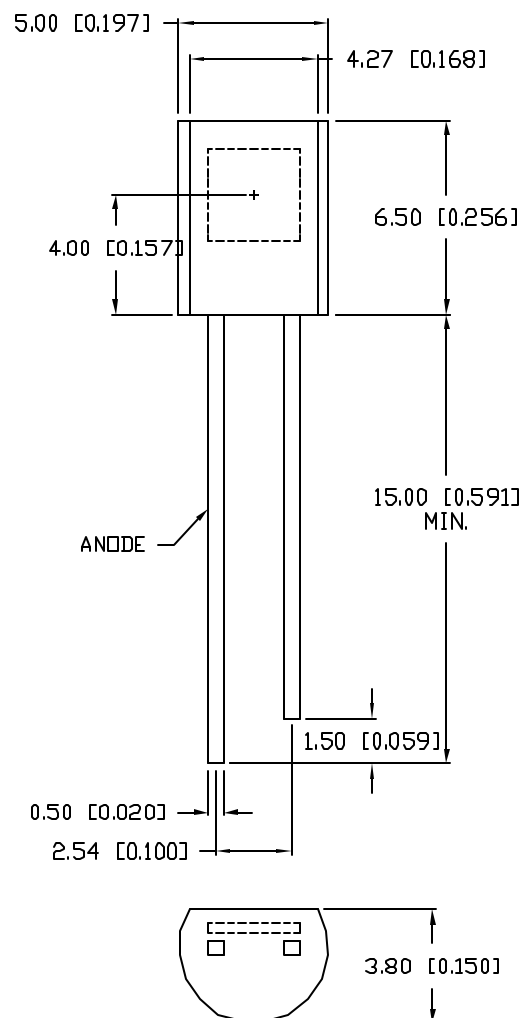
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PART NUMBER

REV.

OED-SP472C140

PRELIMINARY IN P/N DIR



ANODE

15.00 [0.591]
MIN.

1.50 [0.059]

0.50 [0.020]
2.54 [0.100]

3.80 [0.150]

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

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	V_{oc}	$E_e=5.0\text{mw}/\text{cm}^2$		0.35		V
SHORT CIRCUIT CURRENT	I_{sc}	$E_e=5.0\text{mw}/\text{cm}^2$		18		μA
DARK CURRENT	I_d	$V_r=10\text{V}$ $E_e=0.0\text{mw}/\text{cm}^2$		5	30	nA
TERMINAL CAPACITANCE	C_t	$V_r=3\text{V}$, $F=1\text{MHz}$		25		pF
RESPONSE TIME	T_r/T_f	$V_r=10\text{V}$, $R_L=1000\Omega$		50/50		nS
SPECTRAL SENSITIVITY	λ			400~1100		nm
PEAK WAVELENGTH	λ_p			940		nm
HALF ANGLE	$\Delta\theta$			± 70		DEG
LENS COLOR:		WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	32	V
POWER DISSIPATION	150	mW
OPERATING TEMP.	-25 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

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T4 x 7mm RIGHT ANGLE FLAT SURFACE,
PHOTODIODE.

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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.



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JD

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SCALE: N/A