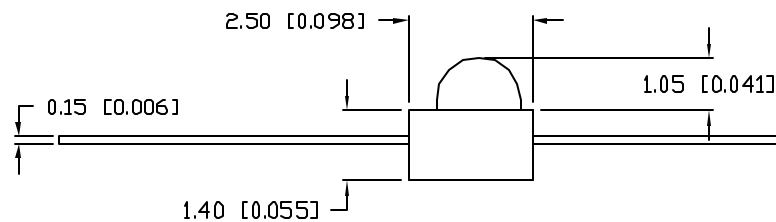
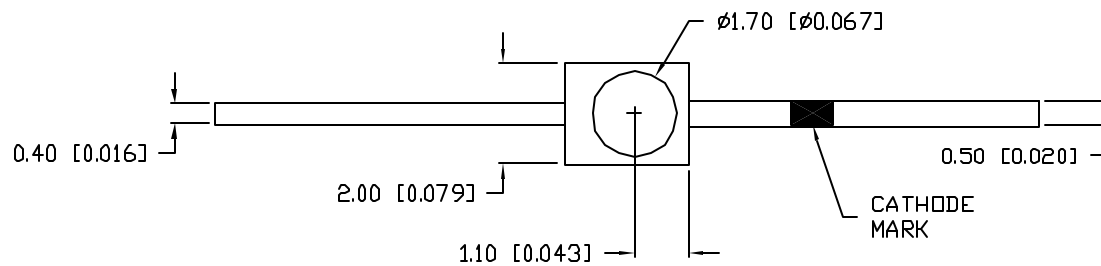
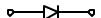


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PART NUMBER
OED-SPA224C40REV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	7.20.01

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

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	V_{oc}	$E_e=0.5\text{mw/cm}^2$		0.35		V
SHORT CIRCUIT CURRENT	I_{sc}	$E_e=0.5\text{mw/cm}^2$		12		μA
DARK CURRENT	I_d	$V_r=10\text{V}$ $E_e=0.5\text{mw/cm}^2$			30	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			500~1000		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	5	V
POWER DISSIPATION	105	mW
OPERATING, 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 (± 0.030), X.X= ± 0.5 (± 0.020), X.XX= ± 0.25 (± 0.010), X.XXX= ± 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}

REV.

A

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T-1.7mm AXIAL LEADED 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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