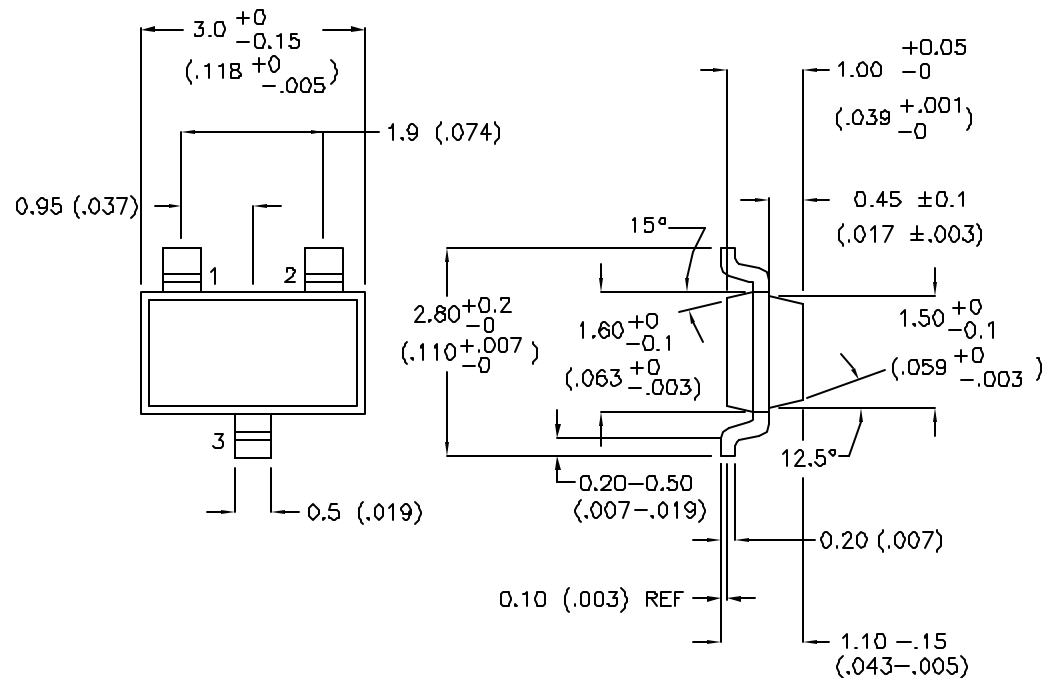


DATE	REVISIONS	REV
12-19-97	E.C.N. #10BRDR./	A

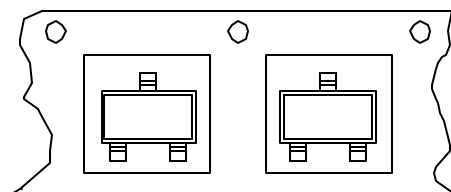
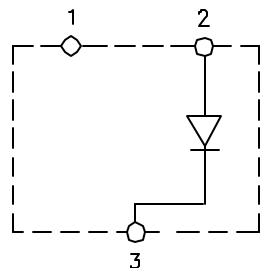
DRAWING NUMBER	REV
OED-SP-15-TR	A



NOTES:

- PART SUPPLIED ON SUPER 8 (SEE DETAIL 'A').

DETAIL 'A'



FEED DIRECTION →

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

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	V_{oc}	$E_e = 0.5 \text{ mW/cm}^2$		0.35		V
SHORT CIRCUIT CURRENT	I_{sc}	$E_e = 0.5 \text{ mW/cm}^2$		3.4		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			700~1100		nm
PEAK WAVELENGTH	λ_p			940		nm
HALF ANGLE	$\Delta\theta$			±70		DEG
LENS COLOR:	CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	5	V
POWER DISSIPATION	10	mW
OPERATING TEMP.	-20 TO +70	$^\circ\text{C}$
STORAGE TEMP.	-25 TO +80	$^\circ\text{C}$
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.

LUMEX
INCORPORATED

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DATE: 12-15-94	DWN:	CHK'D:	APP'D:
SCALE: N/A			

SOT-23 SURFACE MOUNT, PHOTODIODE,
WATER CLEAR LENS, TAPE AND REEL.