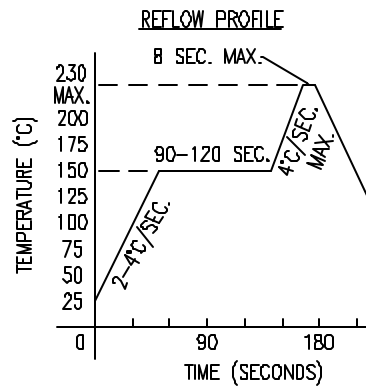
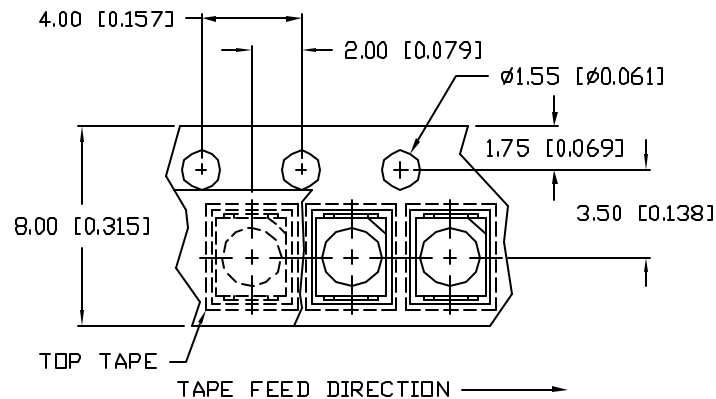
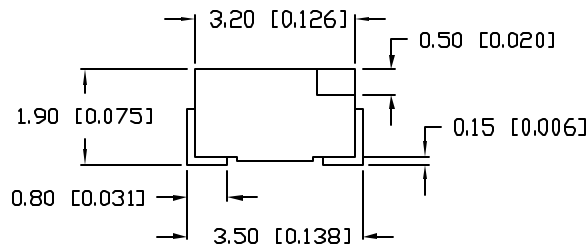
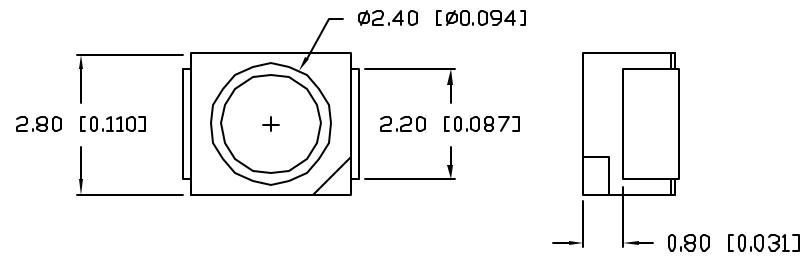
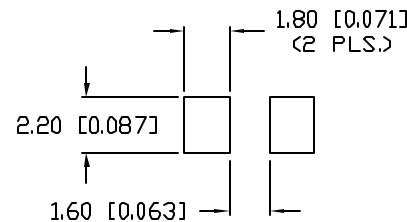


UNCONTROLLED DOCUMENT



RECOMMENDED SOLDER PAD LAYOUT

PART NUMBER
OED-SP2832C120-TR

REV.

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

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	V_{oc}	$E_e=1000\text{LUX}$		0.4		V
SHORT CIRCUIT CURRENT	I_{sc}	$E_e=2000\text{LUX}$		2.5		μA
DARK CURRENT	I_d	$V_r=10\text{V}$			50	nA
TERMINAL CAPACITANCE	C_t	$V_r=10\text{V}, F=1\text{MHz}$		10		pF
RESPONSE TIME	T_r/T_f			4/4		nS
SPECTRAL SENSITIVITY	λ			450~1100		nm
PEAK WAVELENGTH	λ_p			880		nm
HALF ANGLE	$\Delta\theta$			± 60		DEG
LENS COLOR:				WATER CLEAR		

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	30	V
POWER DISSIPATION	100	mW
OPERATING TEMP.	-25 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +100	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), 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=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

REV.

PART NUMBER

OED-SP2832C120-TR

2.8mm x 3.2mm SURFACE MOUNT PHOTO DIODE,
WATER CLEAR LENS, TAPE AND REEL.

CONFIDENTIAL INFORMATION

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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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DATE: 9.09.02

PAGE: 1 OF 1

SCALE: N/A