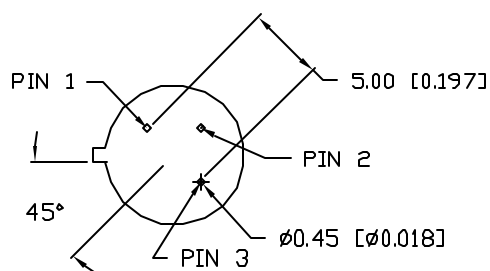
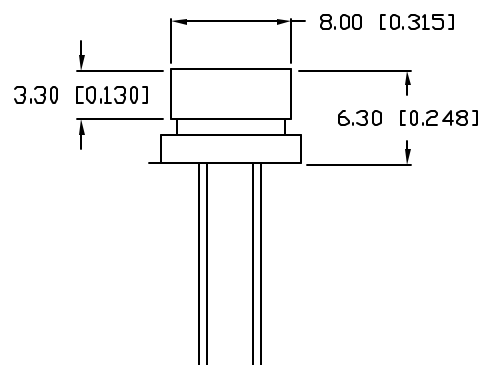
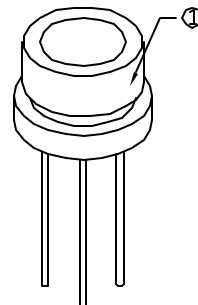
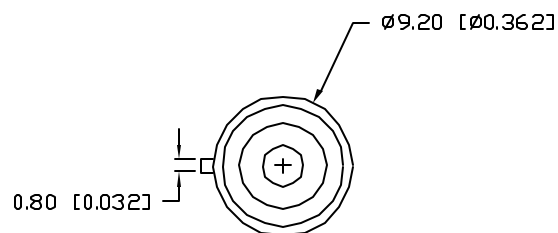


UNCONTROLLED DOCUMENT



PART NUMBER		REV.
OED-CL506T0550		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148.	5.16.07

PRELIMINARY IN P/N DIR

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=70\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	3200	3400		nm	
FORWARD VOLTAGE			1.0	V_f	$I_f=70\text{mA}$
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
SPECTRAL BANDWIDTH		1100		nm	
SWITCHING TIME		10		μs	
RADIANT INTENSITY		0.5		mW/SR	$I_f=70\text{mA}$
HALF ANGLE		50		degrees	
EPOXY LENS FINISH: WATER CLEAR LENS					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	500	mA
STEADY CURRENT	70	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +55	$^\circ\text{C}$
STORAGE TEMP.	-55 TO +100	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

* $t_p < 100\mu\text{s}$, $t_p/T = 0.01$

NOTES:

- M8 THREADING.
- PIN3/ CASE IS GROUND.



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*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

REV.

A

PART NUMBER

OED-CL506T0550

TO-5 PACKAGE WITH M8 THREAD.

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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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PAGE: 1 OF 1

SCALE: N/A