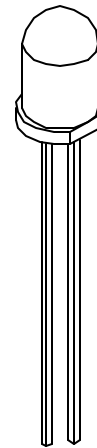
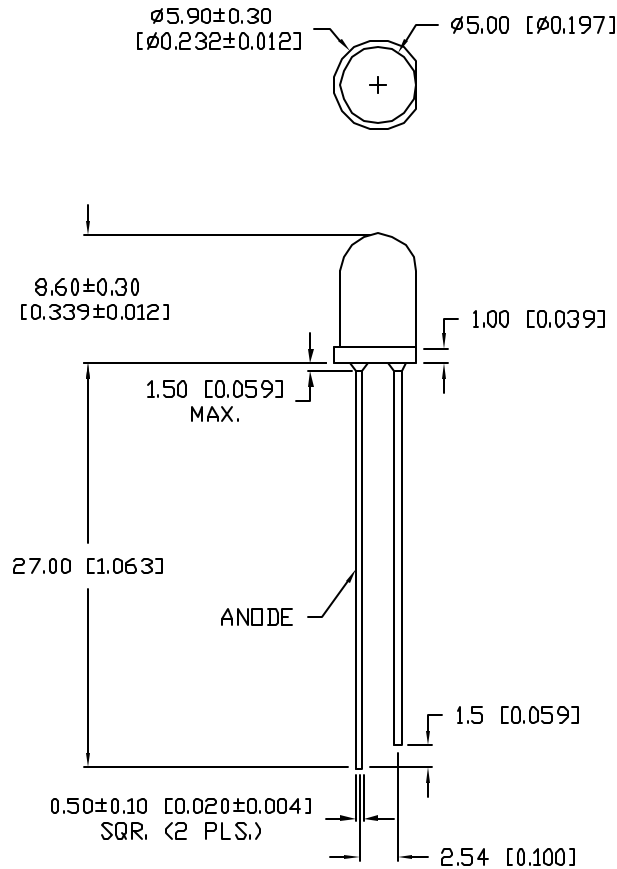


UNCONTROLLED DOCUMENT

PART NUMBER
OED-CL5093B25

REV.
C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR.	1.5.98
B	E.C.N. #10624.	5.18.02
C	E.C.N. #10BRDR. & REDRAWN IN 3D.	12.17.02



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		875		nm	
SPECTRAL BANDWIDTH		80		nm	
FORWARD VOLTAGE		1.3	1.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=10\mu\text{A}$
RADIANT INTENSITY	7.8	20		mW/str	$I_f=20\text{mA}$
HALF ANGLE		20		2X theta	
EPOXY LENS FINISH: BLUE TRANSPARENT					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1	A
STEADY CURRENT	50	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

*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=^{+0.00}/_{-0.00} DECIMAL PRECISION, MAX.=^{+0.00}/_{-0.00} DECIMAL PRECISION

UNCONTROLLED DOCUMENT

REV. C	PART NUMBER OED-CL5093B25
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T-5mm (T-1 3/4) 875nm INFRARED LED,
BLUE TRANSPARENT LENS.

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.

DRAWN BY: BC	CHECKED BY:	APPROVED BY:	DATE: 5.21.97 PAGE: 1 OF 1 SCALE: N/A
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