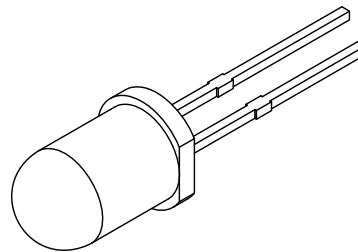
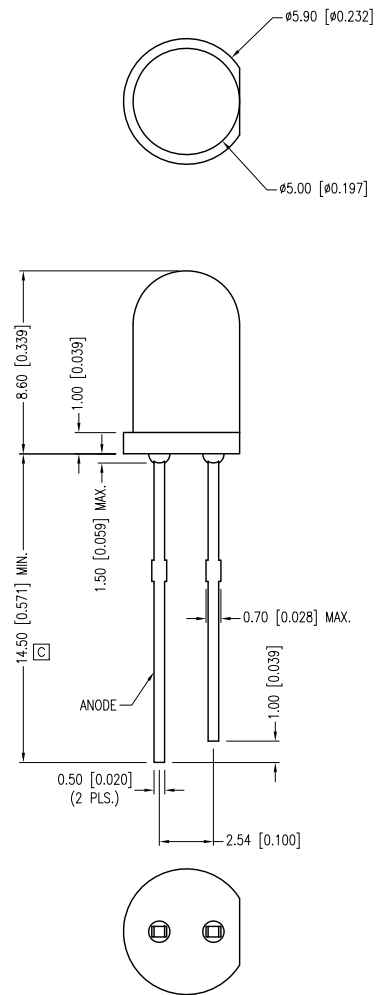


PART NUMBER	OED-EL5093C22	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
01.07.98	E.C.N. #10BRDR.		A
11.14.01	E.C.N. #10811/10BRDR. & REDRAWN.		B
02.14.12	E.C.N. #11806/10BRDR. & REDRAWN.		C



ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		940		nm	
SPECTRAL BANDWIDTH		45		nm	
FORWARD VOLTAGE		1.2	1.6	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=10μA
RADIANT INTENSITY		60		mW/SR	If=20mA
HALF ANGLE		±11		degrees	
LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	5	A
STEADY CURRENT	100	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.

* tp<100μs, tp/T=0.01

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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 MAX.= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT