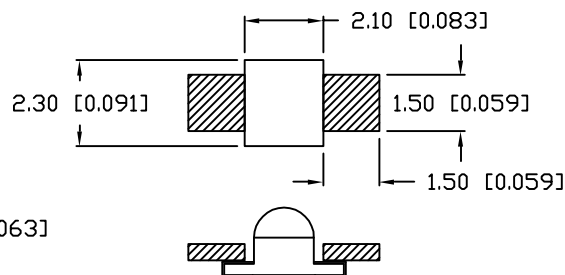
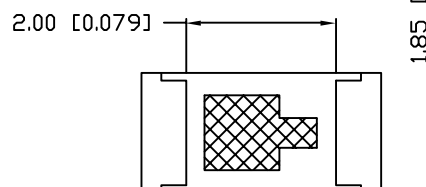
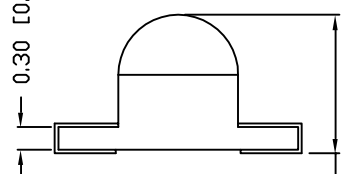
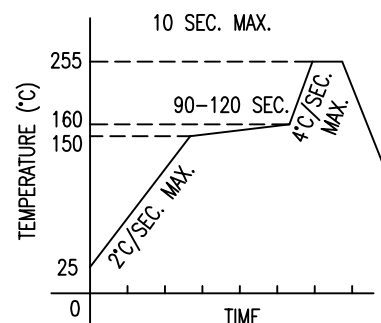


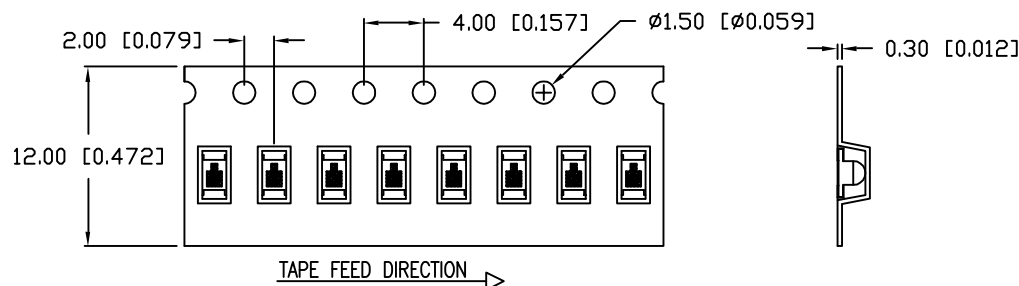
RECOMMENDED MOUNTING:

ANODE  CATHODE

LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



TAPE FEED DIRECTION →

*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

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		940		nm	
SPECTRAL BANDWIDTH		45		nm	
FORWARD VOLTAGE		1.2	1.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=10\mu\text{A}$
RADIANT INTENSITY	1.0	3.5		mW/SR	$I_f=20\text{mA}$
HALF ANGLE		±10		degrees	
EPOXY LENS FINISH: WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1.0	A
STEADY CURRENT	65	mA
POWER DISSIPATION	130	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

* $T<10\mu\text{s}$

NOTES:

- 1500 PIECES PER REEL.
- CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLES.

CAUTION: MOISTURE SENSITIVE DEVICE

PER JEDEC LEVEL 3 STANDARDS



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REV.

PART NUMBER

OED-ELR1206C20-TR

940nm IR SMT LED, REVERSE MOUNT,

1206 PACKAGE, WATER CLEAR LENS, 1500 PER REEL.

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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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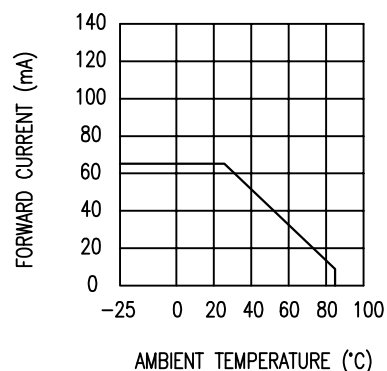
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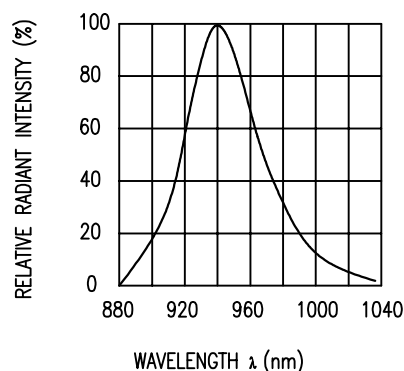
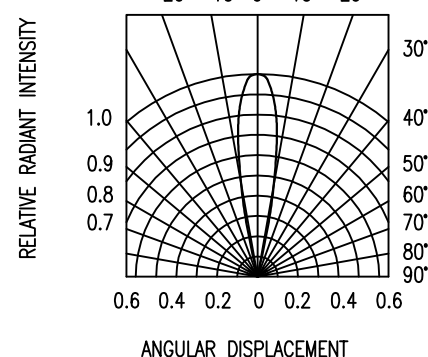
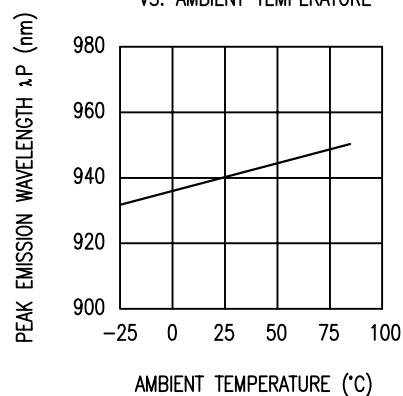
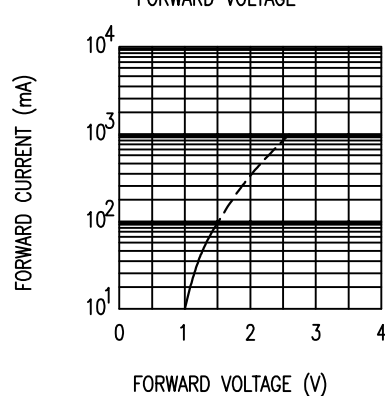
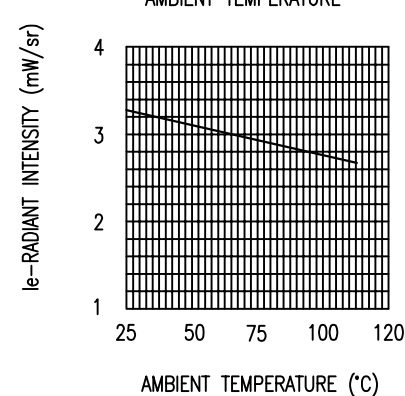
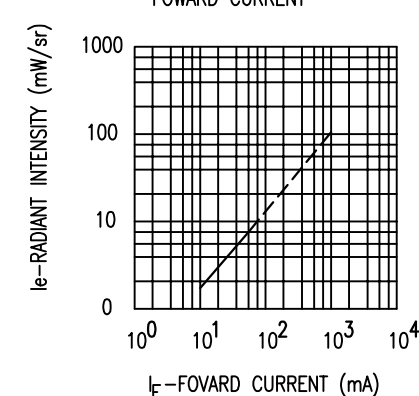
DATE: 10.24.07

PAGE: 1 OF 2

SCALE: N/A

FORWARD CURRENT VS.
AMBIENT TEMPERATURE

SPECTRAL DISTRIBUTION

RELATIVE RADIANT INTENSITY
VS. ANGULAR DISPLACEMENTPEAK EMISSION WAVELENGTH
VS. AMBIENT TEMPERATUREFORWARD CURRENT VS.
FORWARD VOLTAGERELATIVE INTENSITY VS.
AMBIENT TEMPERATURERELATIVE INTENSITY VS.
FORWARD CURRENT

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REV.

PART NUMBER

OED-ELR1206C20-TR

940nm IR Smt LED, REVERSE MOUNT,

1206 PACKAGE, WATER CLEAR LENS, 1500 PER REEL.

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