

UNCONTROLLED DOCUMENT

PART NUMBER

OED-750L1207C25-TR

REV.

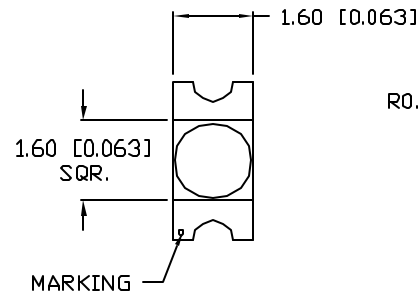
A

REV. E.C.N. NUMBER AND REVISION COMMENTS

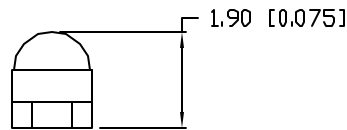
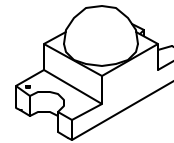
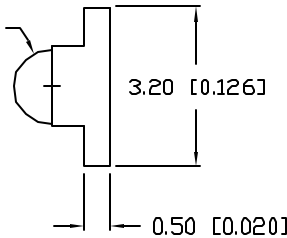
A E.C.N. #11148.

DATE

5.4.07

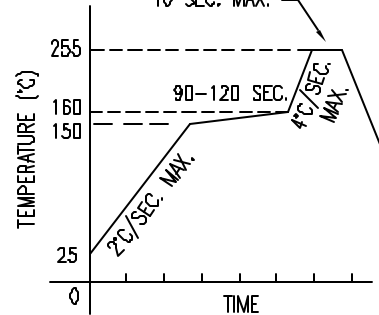


R0.75 [R0.030]



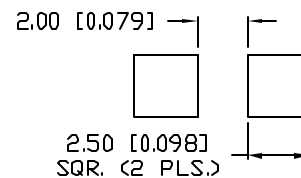
LEAD FREE REFLOW PROFILE

10 SEC. MAX.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=50\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		750		nm	
FORWARD VOLTAGE		1.9	2.3	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
POWER INTENSITY		20		mW/sr	$I_f=50\text{mA}$
HALF ANGLE		± 15		2x theta	
EPOXY LENS FINISH: WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	50	mA
POWER DISSIPATION	90	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

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

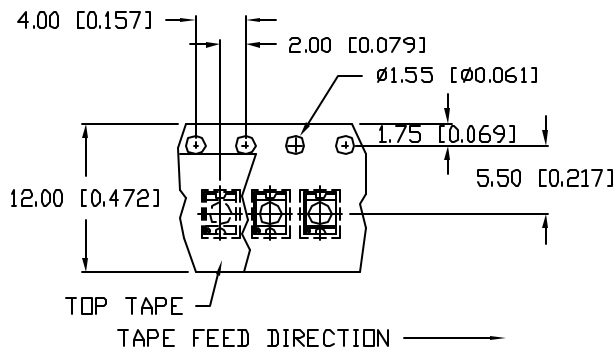
NOTES:

1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS



ANODE MARKING



*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=+DECIMAL PRECISION MAX.=+0.00 -0.00 DECIMAL PRECISION

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OED-750L1207C25-TR

3.2mm x 1.6mm SURFACE MOUNT LED, 750nm,
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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APPROVED BY:

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PAGE: 1 OF 1

SCALE: N/A