



ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$		$I_f=20\text{mA}$			
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		610		nm	
FORWARD VOLTAGE		2.0	2.5	Vf	
REVERSE VOLTAGE	5.0			Vr	$I_r=100\mu\text{A}$
AXIAL INTENSITY		2500		mcad	$I_f=20\text{mA}$
VIEWING ANGLE		25		2x theta	
EMITTED COLOR:	ORANGE				
LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT (R/G)	50	mA
POWER DISSIPATION	125	mW
DERATE FROM 25°C	-2.0	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

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

NOTES:

1. SSI-LX5093SOC, ORANGE LED. TRIM TO 4mm.
2. SSI-LXR3816-B, BLACK ANODIZED.
3. LXP-WA-3816, RUBBER GASKET.
4. SSH-LXH4815BSC, BUSHING.
INSERT AND CRIMP.
5. ANODE LEAD: LXP-WST24RTOC, 24 AWG. TINNED OVERCOAT, RED INSULATION, CUT 160mm LONG, STRIP 9.5mm & 3mm.
6. CATHODE LEAD: LXP-WST24BLTOC, 24 AWG. TINNED OVERCOAT, BLACK INSULATION, CUT 160mm LONG, STRIP 9.5mm & 3mm.
7. ASSEMBLE IN ORDER: LED, SILICON, THEN BUSHING.
8. SPLASH RESISTANT PER NEMA SPEC. 250 SECTION 6.7.

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



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM
MEMBER OF ITW PHOTONICS GROUP

T-5mm 610nm SUPER ORANGE LED PANEL INDICATOR, BLACK ANODIZED, 6.0" WIRE LEADS, SPLASH PROOF.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	09.05.13	DRAWN BY:	MA
PAGE:	1 OF 1	CHKD BY:	SS
SCALE:	NTS	APRVD BY:	-
UNIT:	mm [INCH]		(P6)