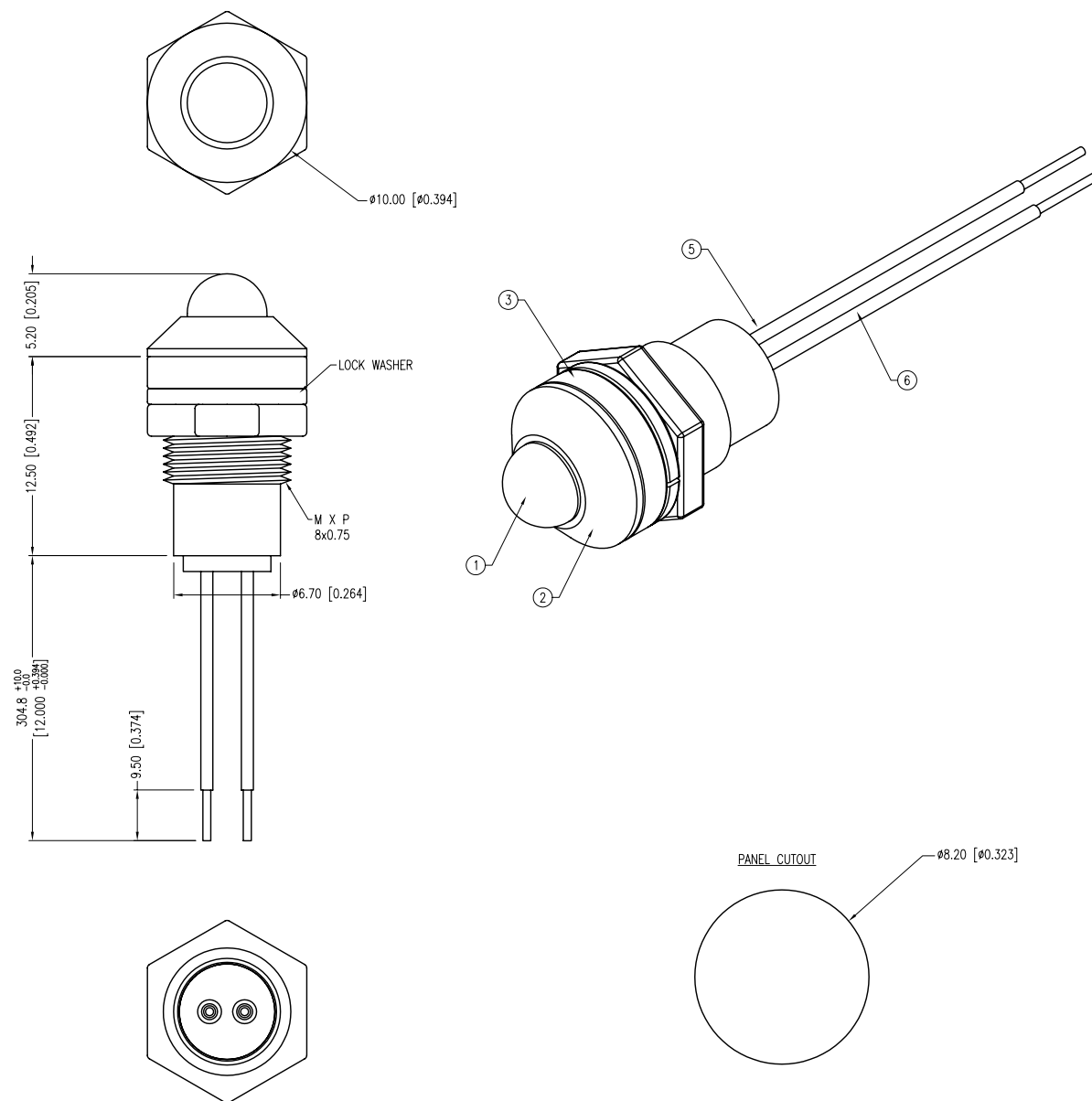


PART NUMBER	SSI-LXR3816ID300WR	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
03.05.12	E.C.N. #10BRDR. & REDRAWN.		A

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	Vf	
REVERSE VOLTAGE	5.0			Vr	$I_r=100\mu\text{A}$
AXIAL INTENSITY		30		mcad	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$

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

NOTES:

- SSL-LX5093ID, RED LED. TRIM TO 4mm.
- SSI-LXR3816, CHROME HOUSING.
- LXP-WA-3816, RUBBER GASKET.
- SSH-LXH4815BSG, BUSHING. INSERT AND CRIMP.
- ANODE LEAD: LXP-WST24RDT0C, 24 AWG. TINNED OVERCOAT, RED INSULATION, CUT 312mm LONG, STRIP 9.5mm & 3mm.
- CATHODE LEAD: LXP-WST24BLT0C, 24 AWG. TINNED OVERCOAT, BLACK INSULATION, CUT 312mm LONG, STRIP 9.5mm & 3mm.
- ASSEMBLE IN ORDER: LED, SILICON, THEN BUSHING.
- 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.= $^{+0.000}_{-0.000}$ DECIMAL PRECISION MAX.= $^{+0.000}_{-0.000}$ DECIMAL PRECISION

UNCONTROLLED DOCUMENT

T-5mm 635nm RED LED PANEL INDICATOR, RED DIFFUSED LENS, 12.0" WIRE LEADS, SPLASH PROOF.

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

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DATE:	03.05.12	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		(Pc)