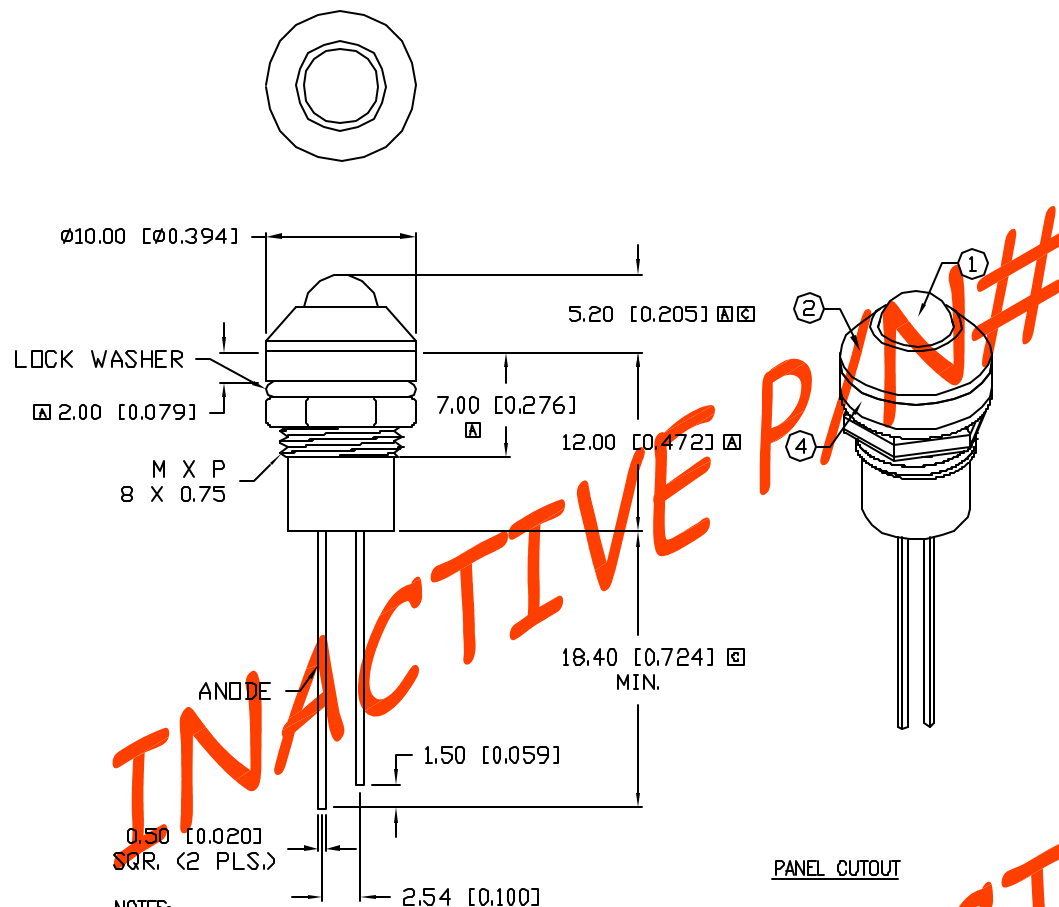


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSI-LXR3816GD29516		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHG'D DIMENSIONS WHERE NOTED.	9.30.93
B	CHG'D NOTES & SAFE OPER. SPECS.	9.15.94
C	E.C.N. #10810. & REDRAWN IN 3D.	11.12.01



NOTES:

1. SSL-LX5093GD, GREEN LED.
2. SSI-LXR3816, CHROME HOUSING.
3. SSH-LXH4815BSC, BUSHING (NOT SHOWN).
INSERT AND CRIMP.
4. LXP-WA-3816, RUBBER GASKET.
5. ASSEMBLE IN ORDER: LED, SILICON THEN BUSHING.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.2	2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		30		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2θ theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	
* $t < 10\mu\text{s}$		

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN.=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

REV.

C

PART NUMBER

SSI-LXR3816GD29516

T-5mm 565nm GREEN LED PANEL INDICATOR,
GREEN DIFFUSED LENS, SPLASH PROOF.

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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DATE: 4.15.93

PAGE: 1 OF 1

SCALE: N/A