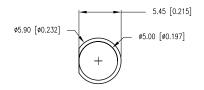
UNCONTROLLED	DOCUMENT
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PART NUMBER	SSL-LX5093ID-TR204		В
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
10.20.06	E.C.N. #11148.		Α
02.13.12	E.C.N. #10BRDR & REDRAWN.		В

		12.7±1.0 [0.500±0.039]	2.C) X.		2.0 MAX.
	8.60 [0.339]			1.00 [0.039]		
	CATHODE			20.0 [0.787]	19.6 [0.772]	
18.0 [0.709]	13.00 [0.512]				9.0 [0.354]	
<u> </u>	5.1 [0.200]		-	12.7±1.0 [0.500±0.0	— ø4.00 [ø0.157] 39]	

ELECTRO-OPTICAL CH PARAMETER			MAN	UNITS	TECT COND
PARAMETER	MIN	TYP	MAX	OMITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	Vf	
REVERSE VOLTAGE	5.0			Vr	lr=100μA
AXIAL INTENSITY		40		mcd	If=20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY 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/*C
OPERATING TEMP.	-40 TO +85	•C
STORAGE TEMP.	-40 TO +85	•C
SOLDERING TEMP.	+260	*C
2.0mm FROM BODY	3	SEC.
± t<10uS		

02.13.12

DRAWN BY:

KF

SS

(Pb)

NOTES:

1. 1,000 PCS. PER REEL.

*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= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ PRECISION ARE: X=±1 (±0.039), X.XX=±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= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00}$ PRECISION UNCONTROLLED DOCUMENT DATE:



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TAPE FEED DIRECTION -

QUASARBRITE T-5mm (T-1 3/4) 635nm RED LED, RED DIFFUSED LENS, TAPE AND REEL

PAGE: 1 OF 1 CHKD BY: **THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.** SCALE: NTS CONFIDENTIAL INFORMATION
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