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3.60 [0.142]

4.00 [0.157]

4.00 [0.157] -

TOP TAPE

-- 1.40 [0.055]

PART NUMBER SML—LXR44UPGC—TR

REV.

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
Α	E.C.N. #10849.	4,2,01

Le-DDmA

CATHODE	MARK	A E.C.N. #	10849.		
>	REFLOW PROFILE	electro-optical characteristics t _a =25°C			
\geq	PREHEATING SOLDERING AT	PARAMETER	MIN	TYP	
/	2 MINUTE MIN. / 3 SEC. MAX.	PEAK WAVELENGTH		525	
	300 /	FORWARD VOLTAGE		3.5	
	260 L\	PEVERSE VOLTAGE	5.0		

AT ROOM TEMP.

1 MINUTE MIN.

ELECTRO-OPTICAL CHARACTERISTICS TA=25C T1= 20mA					
PARAMETER	MIN	ΤΥP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		525		nm	
FORWARD VOLTAGE		3.5	4. 0	٧f	
REVERSE VOLTAGE	5.0			٧٢	I _Γ = 1 🛮 Ο μΑ
AXIAL INTENSITY		150		mcd	$I_f = 20mA$
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER C	LEAR			

	⊶ √—•	200
	/ Ø2.40 [Ø0.094]	(\$\frac{\frac}\f{\frac{\frac{\frac{\frac{\frac{\frac}\firac{\f{\frac{\fir}}}}}
4.00 [0.157]	2.60 [0.102]	50 -
1.00 [0.039] - (2 PLS.)	2.54 [0.100]	2.85 [0.112]

8.00 [0.315]

LIMITS OF SAFE OPERATION AT 25'C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	130	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
) operating temp.	- 40 TO +85	•Ċ
] STORAGE TEMP.	- 40 TO + 85	• C
* t<10µS		

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

NOTES:

- 1. 500 PIECES PER REEL.
- 2. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

TAPE FEED DIRECTION ———— UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECFED 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). MN= +0EGIMAL PRECISION

MAX. = +0.001

MAX. = +

4.00 [0.157]

PART NUMBER

A SML-LXR44UPGC-TR

RIGHT ANGLE BOOMERANG SURFACE MOUNT LED, 525nm ULTRA PURE GREEN LED, WATER CLEAR LENS.

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2.50 [0.098]

RELABILITY 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 SUDDEFINE PROCESS.

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SCALE: N/A

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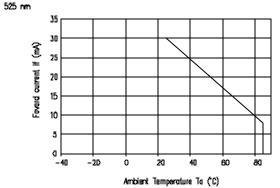
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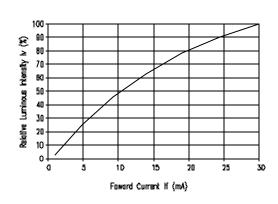
REV.

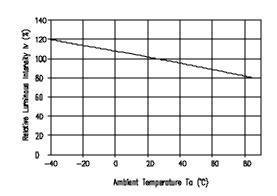
E.C.N. NUMBER AND REVISION COMMENTS

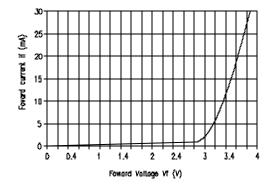
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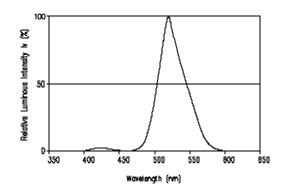
DATE











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