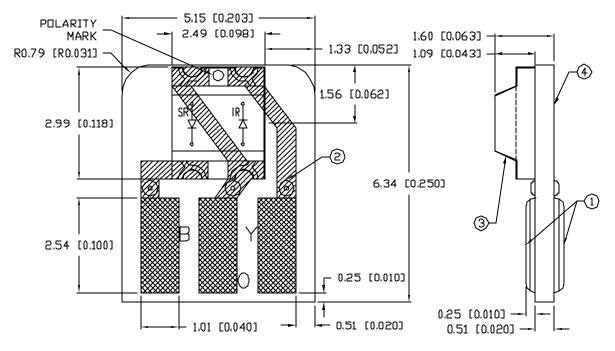
SML-LX2530-13534-6



ELECTRO-OPTICAL CHARACT	If= 20mA				
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
		940 (IR)		nm	
FORWARD VOLTAGE(IR/SR)		1.2/1.8	1.6/2.5	۷f	
REVERSE VOLTAGE	5.0			٧r	Ir=100)µA
AXIAL INTENSITY (SR)		75		mcd	If=20mA
(IR)		1.7		mW/sr	If=20mA
VIEWING ANGLE		120		2x theta	
EMITTED COLOR: RED	/IR				
EPOXY LENS FINISH: WATI	ER CLEA	R			

LIMITS OF SAFE OPERATION	IAT 25°C		
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(IR/SR)	1200/160	mΑ
STEADY CURRENT	(IR/SR)	50/30	mΑ
POWER DISSIPATION		100	mW
DERATE FROM 25°C		-1.2	mW/⁴Ĉ
OPERATING TEMP.		-40 TO +85	₹ C
STORAGE TEMP.		-40 TO +85	⁻ C

^{*} t<10µS

NOTES:

- 1, SOLDER PADS TINNED,
- 2. FEED THRU, (3 PLS.).
- 3. SML-LX2530SRELC-TR.
- 4. LXP-PCB13534-6.

UNCONTROLLED DOCUMENT TUNIESS OTHERWISE SPECIFED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.030), XXX=±0.5 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030). NN= +DECIMAL PRECISION MAX = +0.00 (±0.001), XXXX=±0.127 (±0.005).

PART NUMBER REV. SML-LX2530-13534-6

REFERENCE SCHEMATIC

6mm x 5mm CUSTOM DUAL EMMITTER, 660nm RED/ 940nm IR, WITH CLEAR LENS.

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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 SCILDERING PROCESS.



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