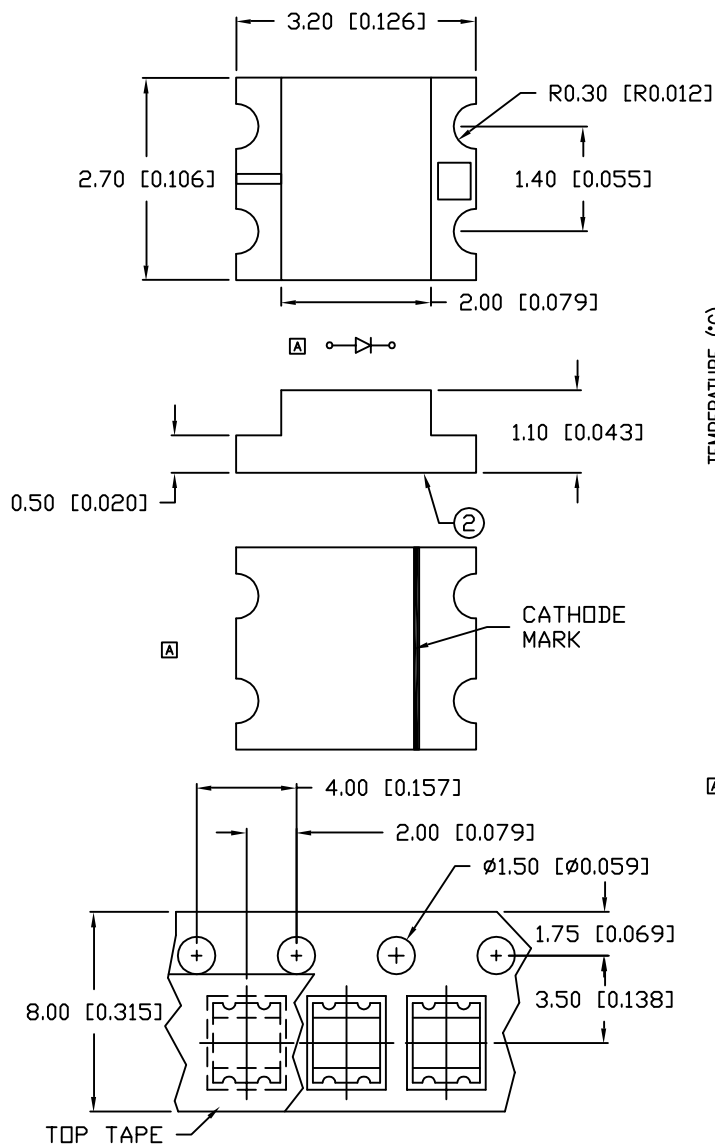


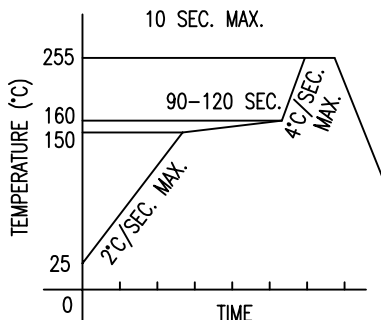
UNCONTROLLED DOCUMENT

PART NUMBER  
SML-DSP1210SYC-TR

REV.  
B

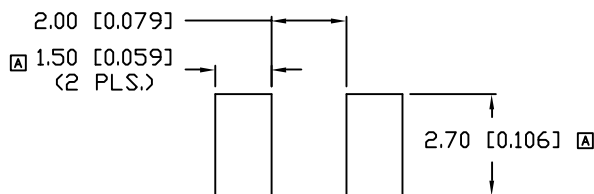


LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED PAD LAYOUT



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

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $V_f=2.0\text{V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE	1.5	2.0	2.2	$V_f$	
REVERSE VOLTAGE	0.5			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		30		mcd	$V_f=2.0\text{V}$
VIEWING ANGLE		140		$2x$ theta	
OPERATING TEMP.	-40		+85	$^\circ\text{C}$	
STORAGE TEMP.	-40		+85	$^\circ\text{C}$	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

NOTES:

1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
2. CATHODE MARK ON BOTTOM.

CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 4 STANDARDS

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\*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=  $\frac{+DECIMAL PRECISION}{-0.00}$  MAX=  $\frac{+0.00}{-DECIMAL PRECISION}$

REV. B PART NUMBER SML-DSP1210SYC-TR

2.7mm x 3.2mm PCB SURFACE MOUNT LED,  
590nm YELLOW, CLEAR LENS, LOW VOLTAGE.

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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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