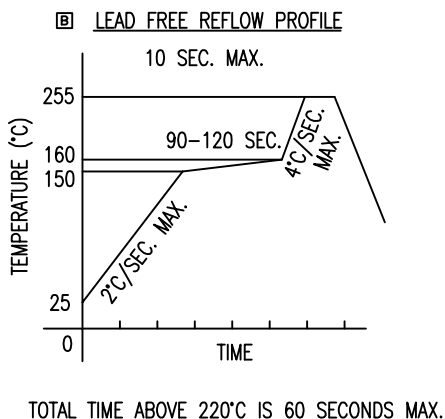
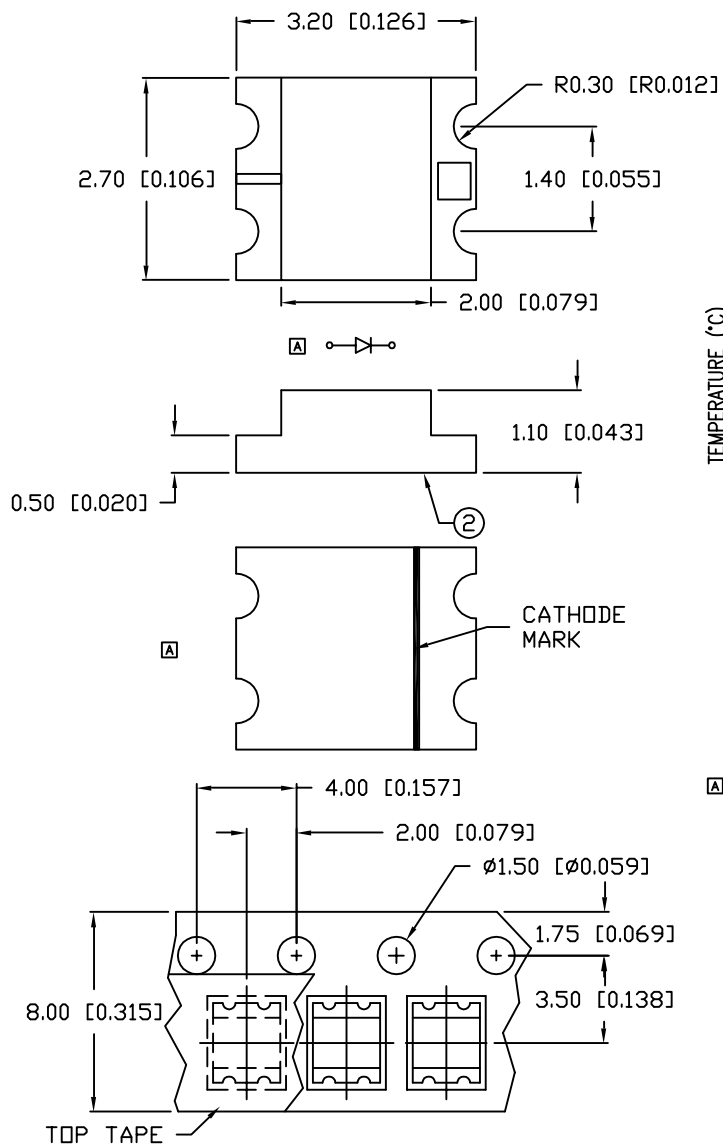


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PART NUMBER		REV.
SML-DSP1210SOC-TR		B

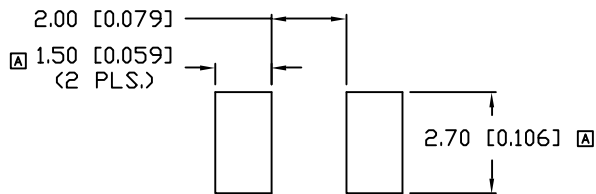
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11247.	5.19.05
B	E.C.N. #11148.	10.02.07



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		620		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		40		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:	ORANGE				
EPOXY LENS FINISH:	WATER CLEAR				

RECOMMENDED PAD LAYOUT



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

- 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.	PART NUMBER
B	SML-DSP1210SOC-TR

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2.7mm x 3.2mm PCB SURFACE MOUNT LED,
620nm ORANGE, CLEAR LENS, LOW VOLTAGE.

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.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
JD			5.19.05
			PAGE: 1 OF 1
			SCALE: N/A