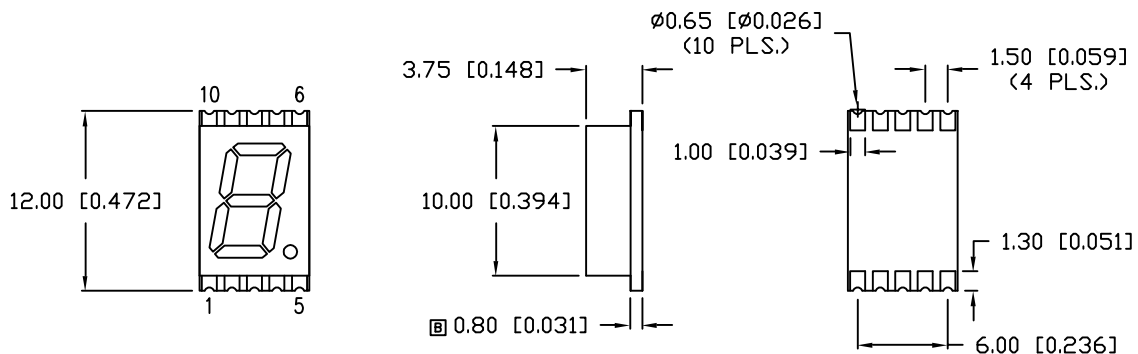
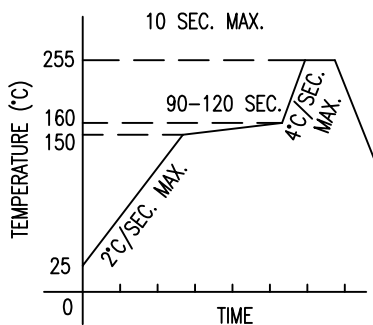


UNCONTROLLED DOCUMENT

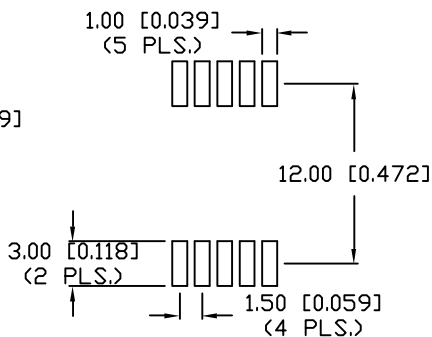
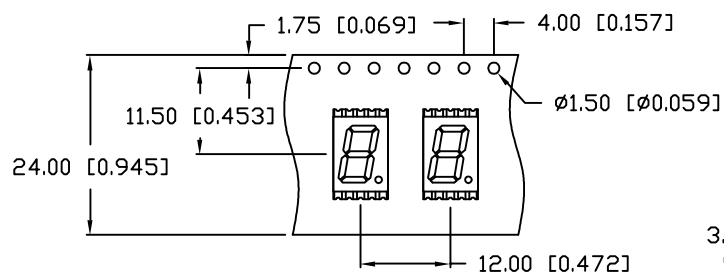


ⓑ LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT



*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=+0.00 PRECISION MAX.=+0.00 PRECISION
-0.00 -0.00

PART NUMBER		REV.
LDS-SMA3004RI-SITR		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11339.	7.6.06
B	E.C.N. #11446.	9.26.07

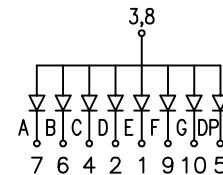
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=10\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE		2.0	2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	I _f =100μA
AXIAL INTENSITY		15000		ucd	I _f =10mA
EMITTED COLOR:	RED				
FACE COLOR:	GRAY				
SEGMENT COLOR:	MILKY WHITE	DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	170	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING, STORAGE TEMP.	- 40 TO +85	°C

* $t < 10 \mu S$



UNCONTROLLED DOCUMENT

REV.	PART NUMBER
B	LDS-SMA3004RI-SITR

0.30" SMT 7 SEGMENT DISPLAY, COMMON ANODE,
636nm AlInGaP RED LEDS,
GRAY FACE WITH WHITE SEGMENTS.

CONFIDENTIAL INFORMATION

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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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DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 5.23.03
CT			PAGE: 1 OF 1
			SCALE: N/A