

UNCONTROLLED DOCUMENT

PART NUMBER
LDS-SMA2000RI-UWTR

REV.

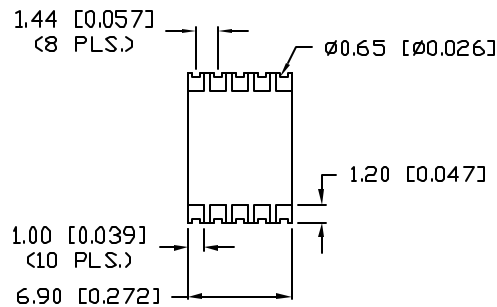
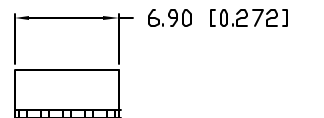
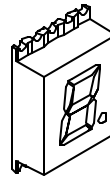
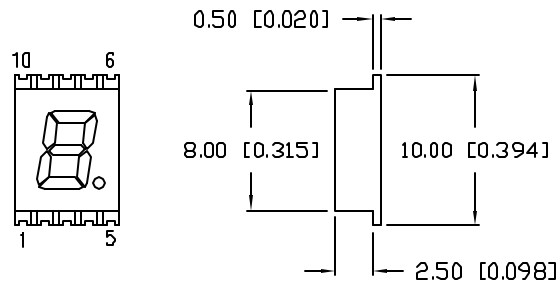
A

REV. E.C.N. NUMBER AND REVISION COMMENTS

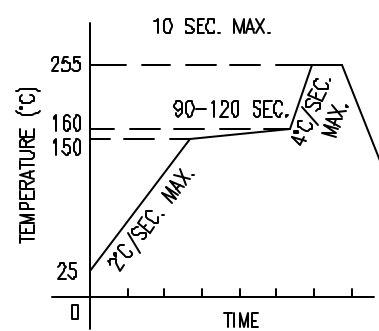
DATE

A E.C.N. #11148.

5.18.06



LEAD FREE REFLOW PROFILE



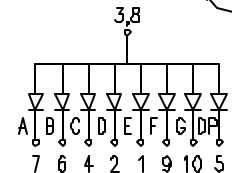
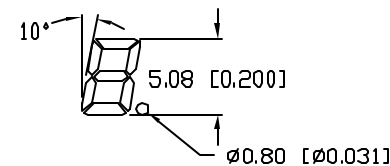
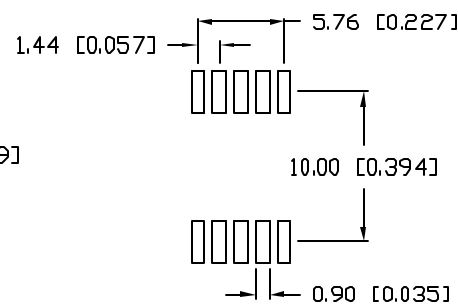
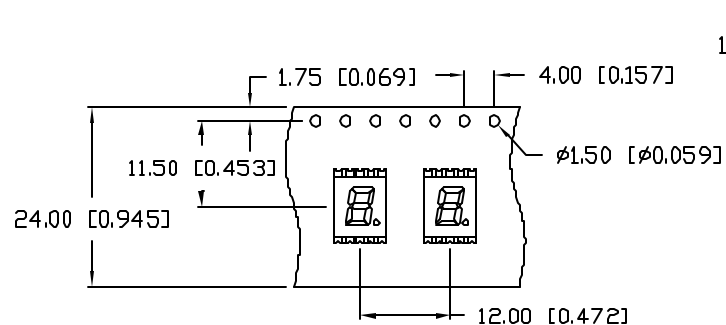
TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH				nm	
FORWARD VOLTAGE		3.5	4.0	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		22,000		μcd	$I_f=10\text{mA}$
EMITTED COLOR:	WHITE				
FACE COLOR:	GRAY				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER SEGMENT

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

* $t < 10\mu\text{s}$ 

*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 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

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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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0.20" SINGLE DIGIT, SEVEN SEGMENT, SMT LED DISPLAY,
ULTRA WHITE CHIPS, GRAY FACE WITH WHITE SEGMENTS,
COMMON ANODE, 10 PADS.

DRAWN BY:

GT

CHECKED BY:

APPROVED BY:

DATE: 12.2.03

PAGE: 1 OF 1

SCALE: N/A