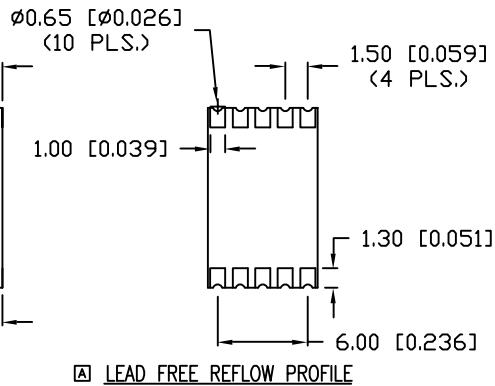
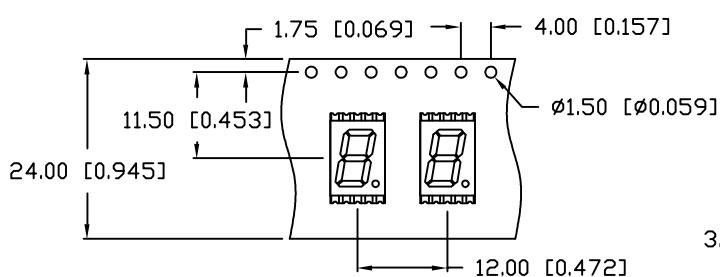
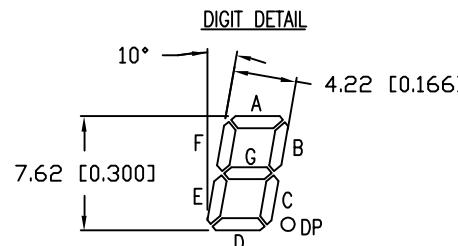
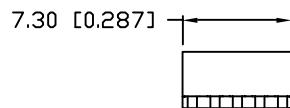
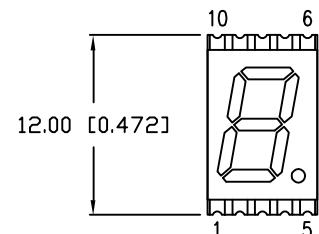
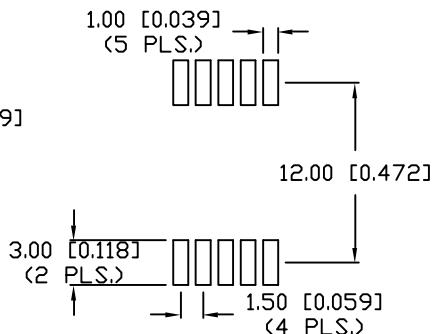


## UNCONTROLLED DOCUMENT



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

## RECOMMENDED SOLDER PAD LAYOUT

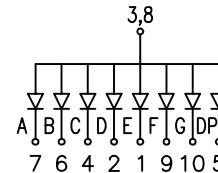


PART NUMBER			REV.
LDS-SMA3002RI-TR			A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE	
A	E.C.N. #11446.	9.26.07	

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=10\text{mA}$				
PARAMETER	MIN	TYP	MAX	UNITS
PEAK WAVELENGTH		565		nm
FORWARD VOLTAGE		2.2	2.6	$V_f$
REVERSE VOLTAGE	5.0			$V_r$
AXIAL INTENSITY		2500		ucd
EMITTED COLOR:	GREEN			
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	25	mA
POWER DISSIPATION	170	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

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

## UNCONTROLLED DOCUMENT

\*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= +DECIMAL PRECISION MAX= +0.00  
MIN= -0.00 MAX= -DECIMAL PRECISION

REV.	PART NUMBER
A	LDS-SMA3002RI-TR

0.30" SMT 7 SEGMENT DISPLAY, COMMON ANODE,  
565nm GREEN 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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SCALE: N/A

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