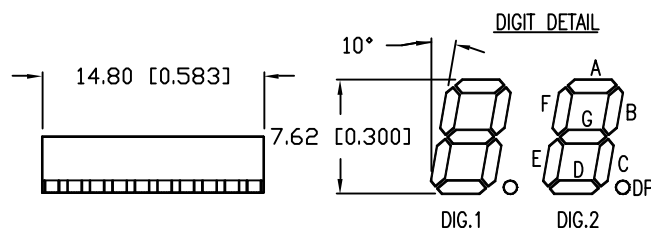
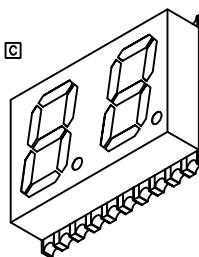
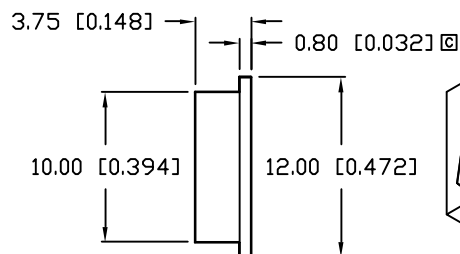
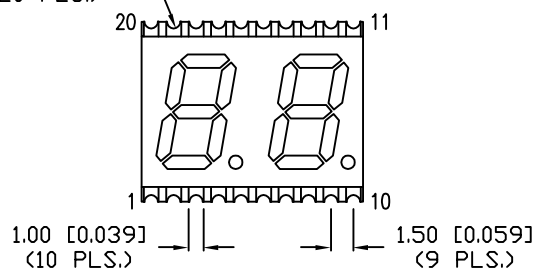
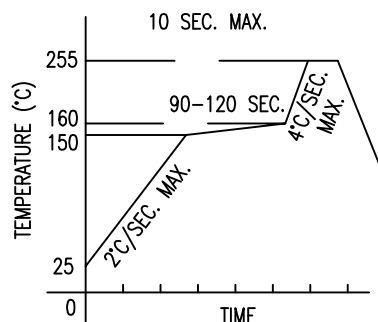


□ Ø0.90 [Ø0.035]
(20 PLS.)



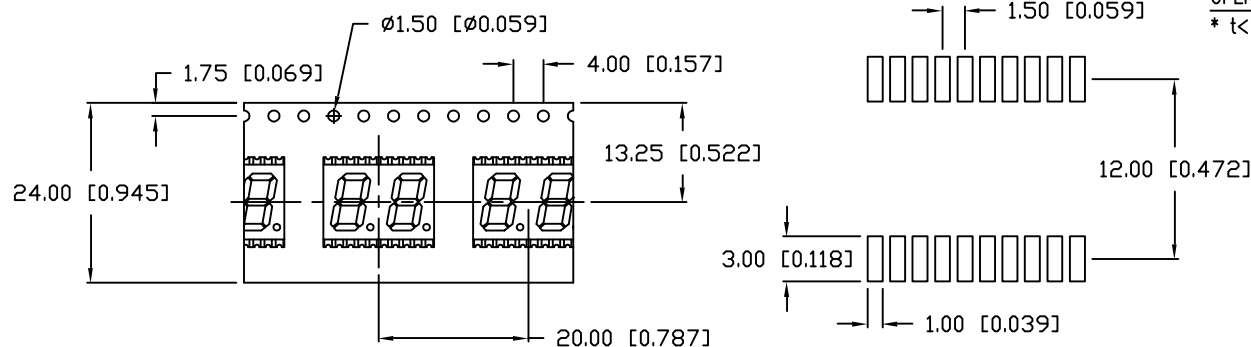
CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

□ LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

PCB LAYOUT



TAPE FEED DIRECTION →

*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 -0.00 MAX= +0.00 -DECIMAL PRECISION

PART NUMBER			REV.
LDD-SMA3006RI-TR			C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE	
A	E.C.N. #11339.	7.6.06	
B	E.C.N. #11373.	12.04.06	
C	E.C.N. #11446.	9.28.07	

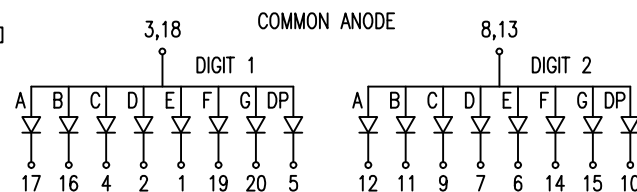
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=10\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		1.7	2.2	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100µA
AXIAL INTENSITY		7500		µcd	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*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	102	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

* t<10µs



REV.

C

PART NUMBER

LDD-SMA3006RI-TR

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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TW WEB: www.lumex.com.tw

0.30" SEVEN SEGMENT, DUAL DIGIT, LED DISPLAY,
660nm RED CHIPS, GRAY FACE WITH WHITE SEGMENTS,
COMMON ANODE, SURFACE MOUNT.

DRAWN BY: JC CHECKED BY: APPROVED BY: DATE: 12.04.06
PAGE: 1 OF 1
SCALE: N/A