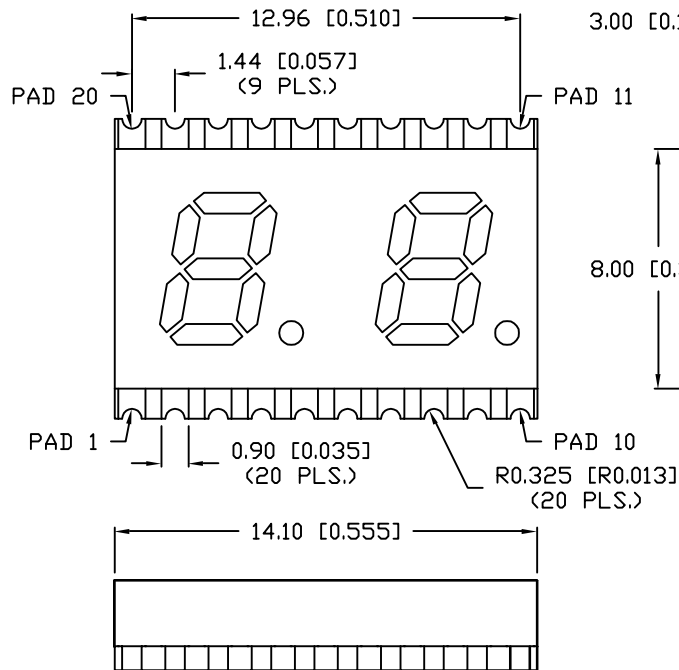
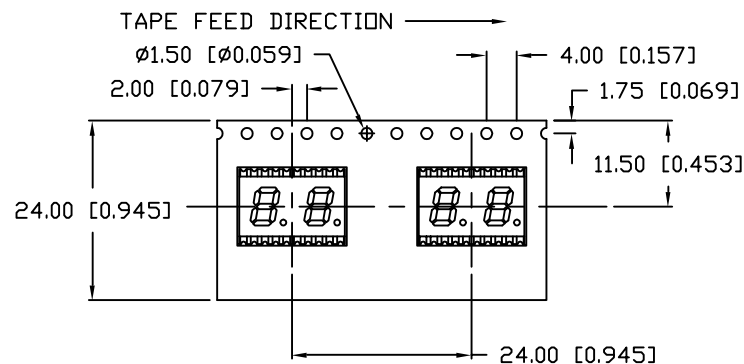


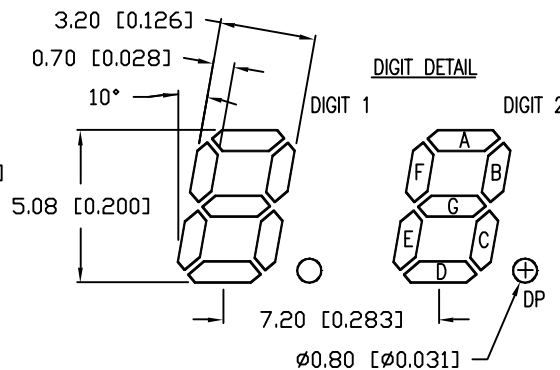
UNCONTROLLED DOCUMENT



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



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



PART NUMBER		REV.
LDD-SMA2009RI-UW		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11446.	9.28.07

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
FORWARD VOLTAGE	V_f		3.8	4.5	V	$I_f=20\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_f=10\mu\text{A}$
AXIAL INTENSITY	I_v		8700		μcd	$I_f=20\text{mA}$
CHROMATICITY COORDINATES*	X	0.33				$I_f=20\text{mA}$
	Y	0.34				
EMITTED COLOR:	WHITE					
FACE COLOR:	GRAY					
SEGMENT COLOR:	WHITE					

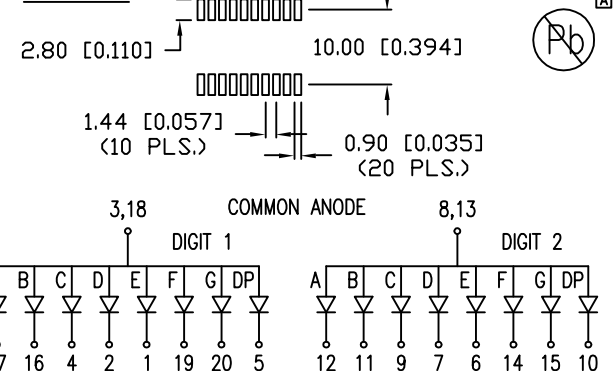
* THE ICI STANDARD COLORIMETRIC SYSTEM.

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

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

PCB 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.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.

A

PART NUMBER

LDD-SMA2009RI-UW

0.20" SMT, DUAL DIGIT DISPLAY, COMMON ANODE,
ULTRA WHITE CHIPS,
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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DATE: 8.8.03

PAGE: 1 OF 1

SCALE: N/A