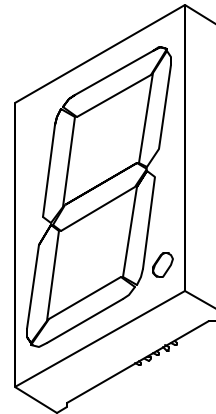
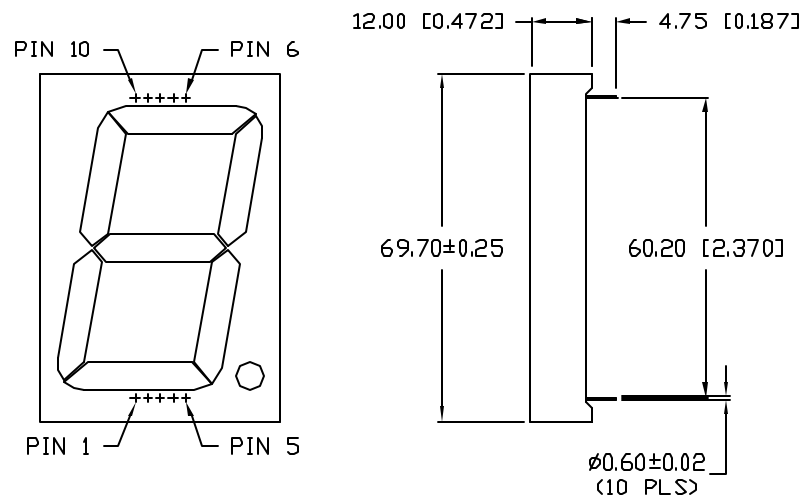


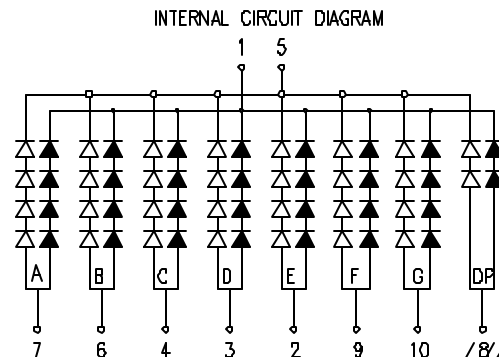
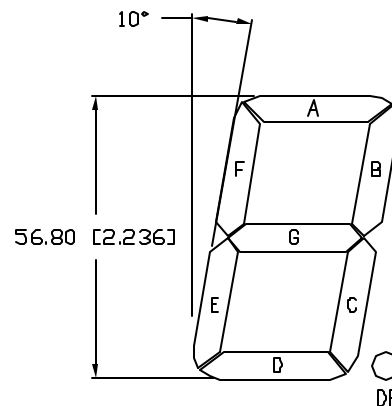
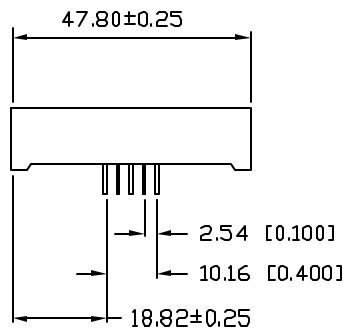
UNCONTROLLED DOCUMENT

PART NUMBER
LDS-CD124RI

REV.



DIGIT DETAIL



—▷— = RED
—▷— = GREEN

PRELIMINARY IN P/N DIR

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565(GREEN)		nm	
		635(RED)		nm	
FORWARD VOLTAGE		8.5/4.2*	10/5*	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100μA
AXIAL INTENSITY		6300		μcd	I _f =20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	GREEN/RED				
FACE COLOR:	GRAY				
SEGMENT COLOR	WHITE DIFFUSED.				

* SECOND VALUE IS FOR DECIMAL POINT

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(G/R)	30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

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

*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

REV.

PART NUMBER
LDS-CD124RI

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

2.25" SEVEN SEGMENT, SINGLE DIGIT DISPLAY,
GREEN/RED BICOLOR, GRAY FACE WITH WHITE SEGMENTS,
COMMON CATHODE, 10 PINS.

DRAWN BY:

JC

CHECKED BY:

APPROVED BY:

DATE: 5.7.07

PAGE: 1 OF 1

SCALE: N/A