

DATE

REVISIONS

REV

DRAWING NUMBER
LDS-C5644RI

REV

REPLACES PART# LDS-C544RI

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		3900		μcd	$I_f = 10\text{mA}$
EMITTED COLOR:	RED				
FONT COLOR:	GREY				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

LUMEX
INCORPORATED290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(847) 359-2790

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DATE: 4-22-98

DWN:

CHK'D:

APPD:

SCALE: N/A

0.56" SINGLE DIGIT, SEVEN SEGMENT DISPLAY, 635nm RED,
GREY FONT/WHITE DIFFUSED SEGMENTS, COMMON CATHODE.

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UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$)

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