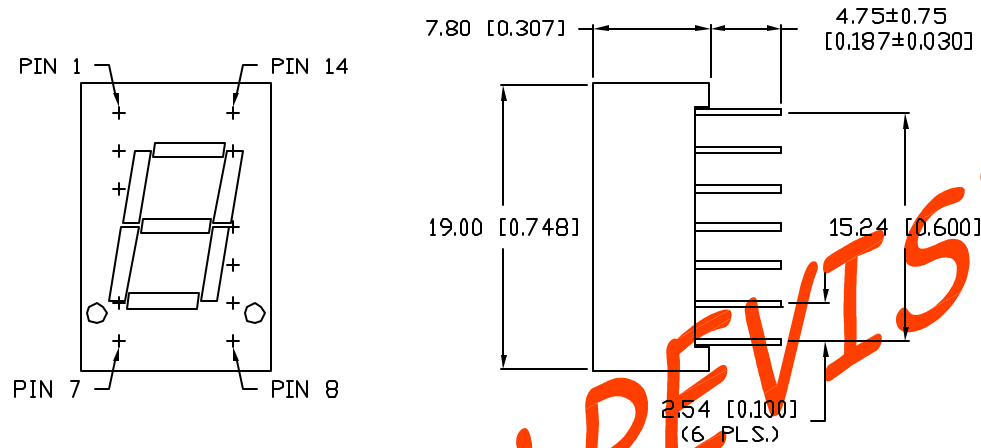


ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=10\text{mA}$

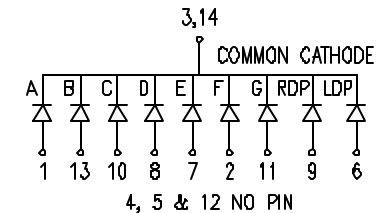
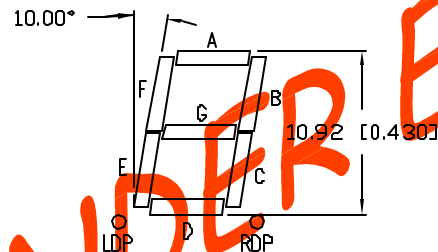
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		3900		μcd	$I_f=10\text{mA}$
EMITTED COLOR:	RED				
FACE COLOR:	GRAY				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	1.2	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

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

CHARACTER DETAIL



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X \pm 1$ (± 0.030), $XX \pm 0.5$ (± 0.020), $XXX \pm 0.25$ (± 0.010), $XXXX \pm 0.127$ (± 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-C414BI

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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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0.43" SINGLE DIGIT, SEVEN SEGMENT DISPLAY,
635nm RED CHIPS, GRAY FACE WITH WHITE SEGMENTS,
COMMON CATHODE.

DRAWN BY:

GT

CHECKED BY:

APPROVED BY:

DATE: 2.19.02

PAGE: 1 OF 1

SCALE: N/A

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