

UNCONTROLLED DOCUMENT

SC:3.0

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PART NUMBER

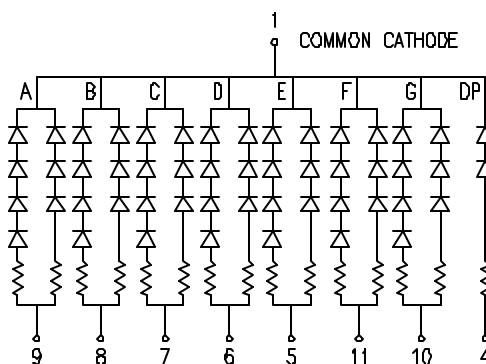
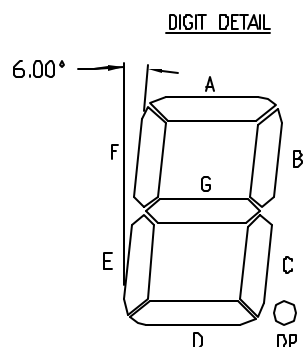
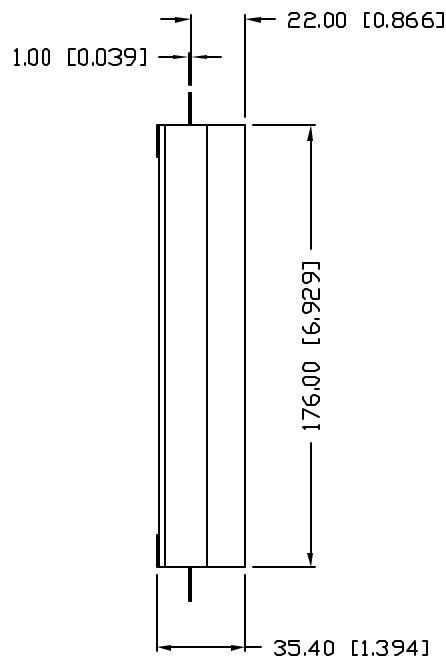
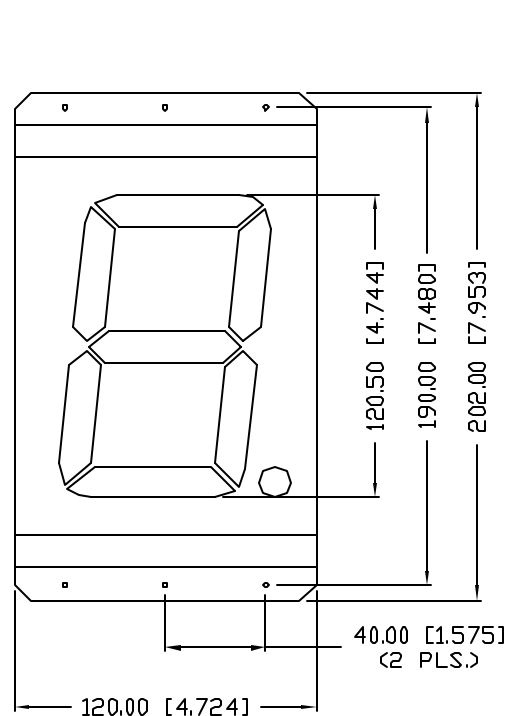
REV.

PRELIMINARY IN P/N DIR

LDS-CA474RE

REV. | E.C.N. NUMBER AND REVISION COMMENTS

DATE



2, 3, 12 & 13 NO CONNECT

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		12	15	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		???		cd/m^2	$I_f=10\text{mA}$
EMITTED COLOR:	RED				
FACE COLOR:	BLACK				
SEGMENT COLOR:	RED 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

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

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

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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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DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 10-26-98

PAGE: 1 OF 1

SCALE: N/A

4.7" SEVEN SEGMENT DISPLAY, 635nm RED CHIPS,

BLACK FACE WITH RED DIFFUSED SEGMENTS.

BC