

DATE	REVISIONS	REV
6-24-96	E.C.N. #10188 & #10113./	A
4-22-98	E.C.N. #10BRDR. & REDRAWN./	B

DRAWING NUMBER	REV
LDD-C514RU	B

UNCONTROLLED DOCUMENT

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:	ORANGE				
SEGMENT COLOR:	ORANGE 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	

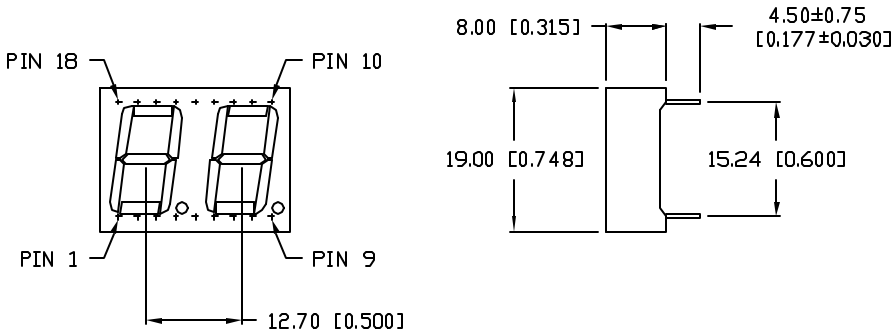
* $t < 10\mu\text{s}$

RELIABILITY NOTE

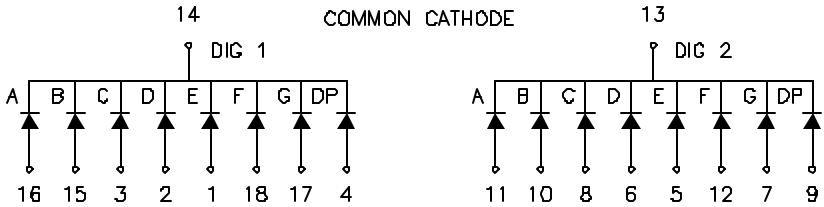
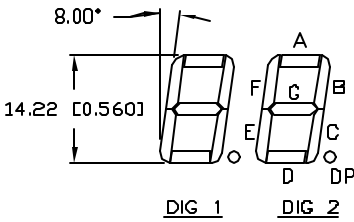
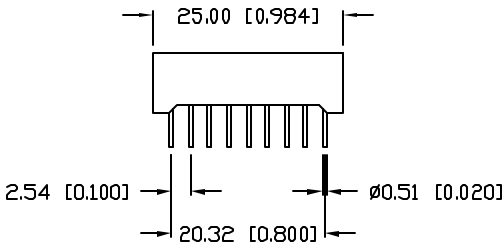
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

B

		290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (847) 359-2790	
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DATE: 7-28-92	DWN:	CHK'D:	APPD:
SCALE: N/A			
0.56" DUAL DIGIT, SEVEN SEGMENT DISPLAY, 635nm RED, ORANGE FONT/ORANGE SEGMENTS, COMMON CATHODE.			
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DIGIT DETAIL



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

DU

Mouser Electronics

Authorized Distributor

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[LDD-C514RU](#)