

DATE	REVISIONS	REV
4-22-98	E.C.N. #10BRDR. & REDRAWN./	A

DRAWING NUMBER	REV
LDS-AA14RI	A

ELECTRO-OPTICAL CHARACTERISTICS T_A =25°C I_f =10mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE*		4.0/2.0	5.0/2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100μA
AXIAL INTENSITY		9800		μcd	I _f =10mA
EMITTED COLOR:	RED				
FONT COLOR:	GREY				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

* SECOND VALUE FOR SINGLE CHIP IN DECIMAL POINT.

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/°C
OPERATING, STORAGE TEMP.	-20 TO +80	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

* t<10μS

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.

A



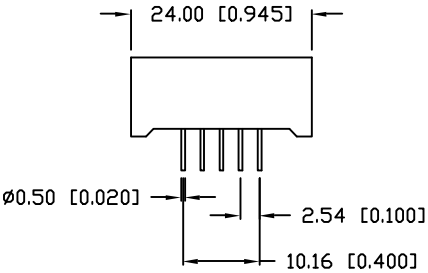
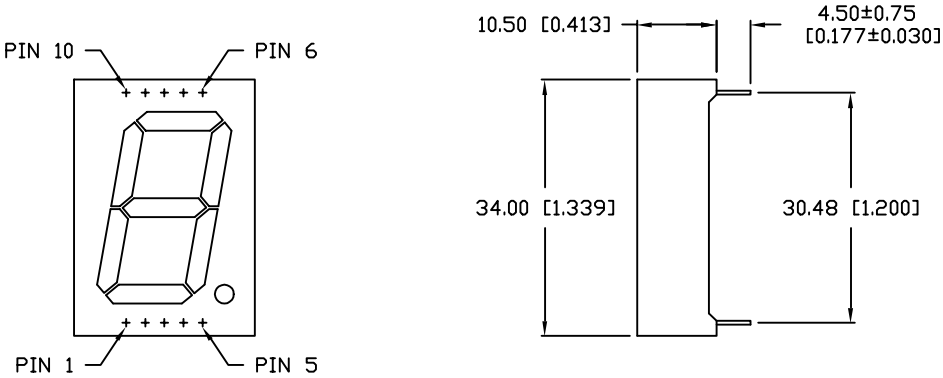
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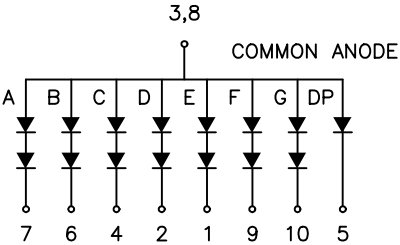
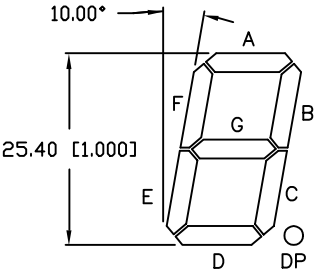
DATE: 6-11-97	DWN:	CHK'D:	APPD:
SCALE: N/A			

1.0" SINGLE DIGIT, SEVEN SEGMENT DISPLAY, 635nm RED, GREY FONT/WHITE SEGMENTS, COMMON ANODE.

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DIGIT DETAIL



UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±.25mm (±0.010")

Mouser Electronics

Authorized Distributor

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