

DATE	REVISIONS	REV
6-5-98	E.C.N. #10432.7	A

DRAWING NUMBER	REV
LDS-CA16RI	A

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
FORWARD VOLTAGE*		3.6/1.8	4.6/2.3	V_f	
REVERSE VOLTAGE	4.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		22,500		μcd	$I_f=10\text{mA}$
EMITTED COLOR:		RED			
FONT COLOR:		GREY			
SEGMENT COLOR:		MILKY WHITE DIFFUSED			

* SECOND VALUE FOR SINGLE CHIP IN DECIMAL POINT.

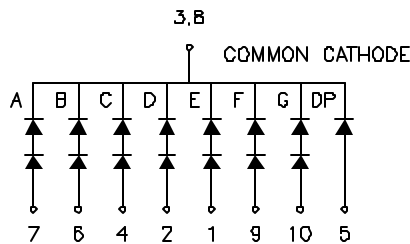
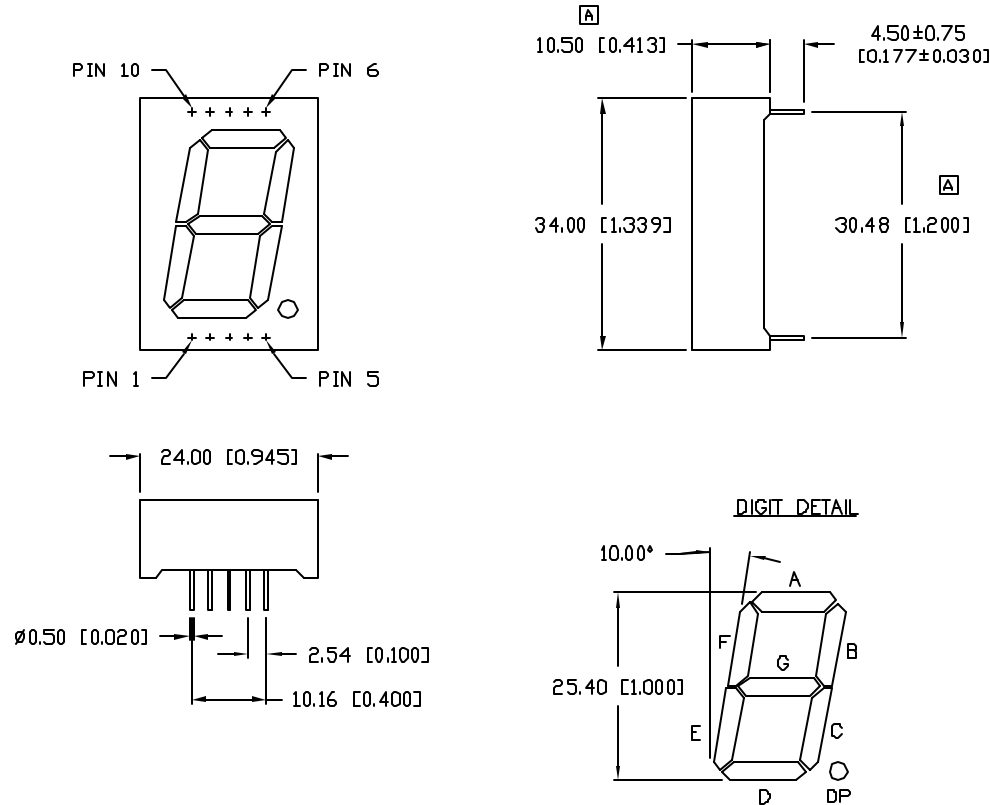
LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	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

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

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.



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

DU

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DATE: 2-24-98	DWN:	CHK'D:	APPD:
SCALE: N/A			
1.0" SINGLE DIGIT, SEVEN SEGMENT DISPLAY, 660nm RED, GREY FONT/WHITE SEGMENTS, COMMON CATHODE.			
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