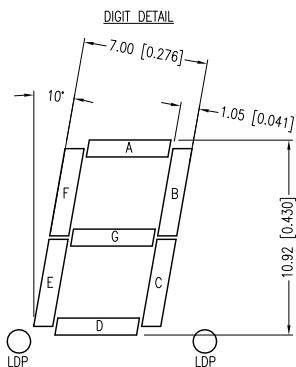
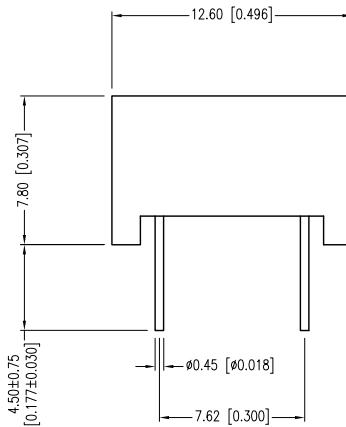
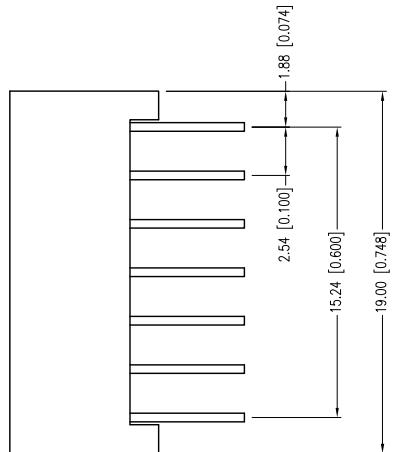
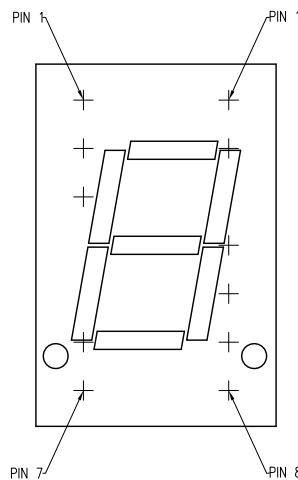


PART NUMBER	LDS-C416RI	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
04.20.98	E.C.N. #10BRDR. & REDRAWN.	A	
10.01.14	E.C.N. #11930.	B	
10.01.14	E.C.N. #10BRDR. & REDRAWN.	C	

A

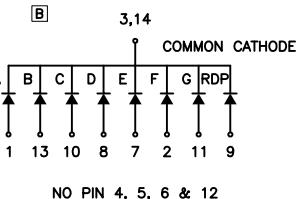


ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ $I_f=10\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	660			nm	
FORWARD VOLTAGE		1.8	2.3	Vf	
REVERSE VOLTAGE	4.0			Vr	$I_r=100\mu\text{A}$
AXIAL INTENSITY		9800		μcd	$I_f=10\text{mA}$
EMITTED COLOR:	RED				2x theta
FONT COLOR:	GREY				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3	SEC.

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

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 TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.039), $X.X=\pm 0.5$ (± 0.020), $X.XX=\pm 0.25$ (± 0.010), $X.XXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= $-\text{0.00}$ MAX= $+\text{0.00}$

UNCONTROLLED DOCUMENT



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MEMBER OF ITW PHOTONICS GROUP

0.43" SINGLE DIGIT, SEVEN SEGMENT DISPLAY, 660nm RED, GREY FONT/WHITE SEGMENTS, COMMON CATHODE.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		NO

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