

UNCONTROLLED DOCUMENT

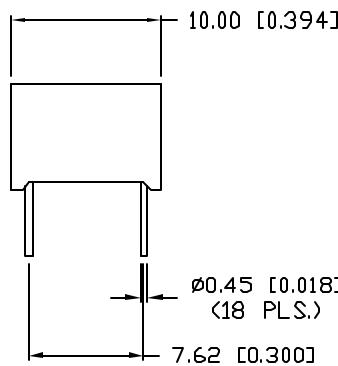
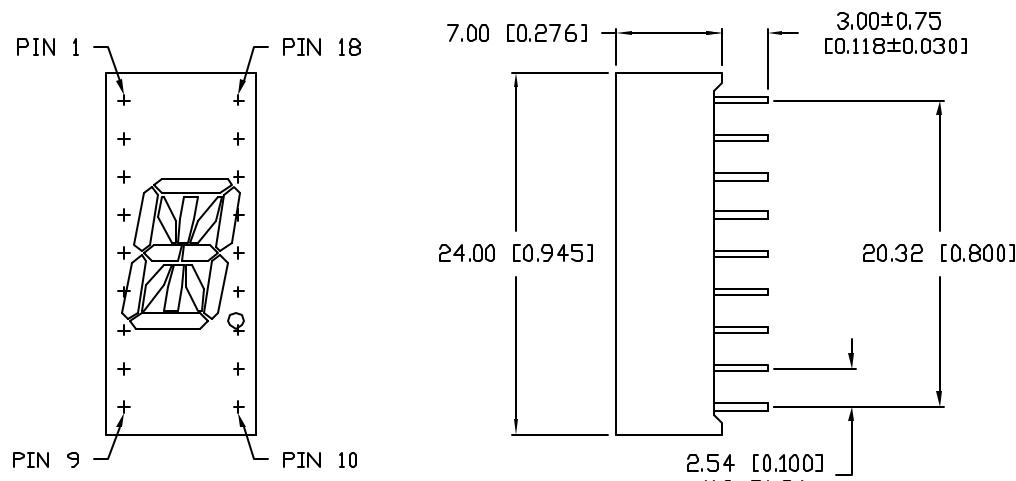
IX

PART NUMBER

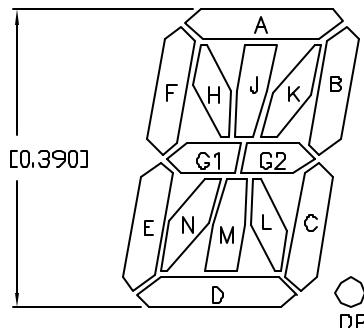
LDS-E3904RI-3

REV.

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



DIGIT DETAIL

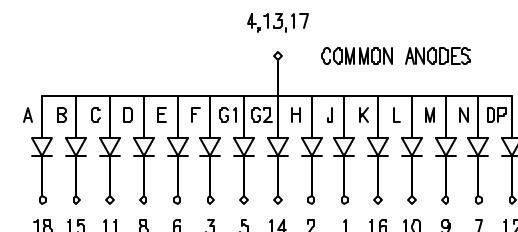


ELECTRO-OPTICAL CHARACTERISTICS TA=25°C If=10mA				
PARAMETER	MIN	TYP	MAX	UNITS
PEAK WAVELENGTH		635 (RED)		nm
FORWARD VOLTAGE		2.0	2.5	Vf
REVERSE VOLTAGE	5.0			Vr
AXIAL INTENSITY		5000		μcd
EMITTED COLOR:	RED			If=100μA
FACE COLOR:	GRAY			
SEGMENT COLOR:	MILKY WHITE DIFFUSED			If=10mA

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.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3 SEC. MAX	

\* t<10μs



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\*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

REV.

PART NUMBER

LDS-E3904RI-3

0.39", SINGLE DIGIT, 14 SEGMENT ALPHANUMERIC DISPLAY,  
635nm RED, GRAY FACE, WHITE SEGMENTS, COMMON ANODE.

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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.

**LUMEX**  
INCORPORATED

DRAWN BY: CHECKED BY: APPROVED BY: DATE: 3-1-99  
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SCALE: N/A

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