

UNCONTROLLED DOCUMENT

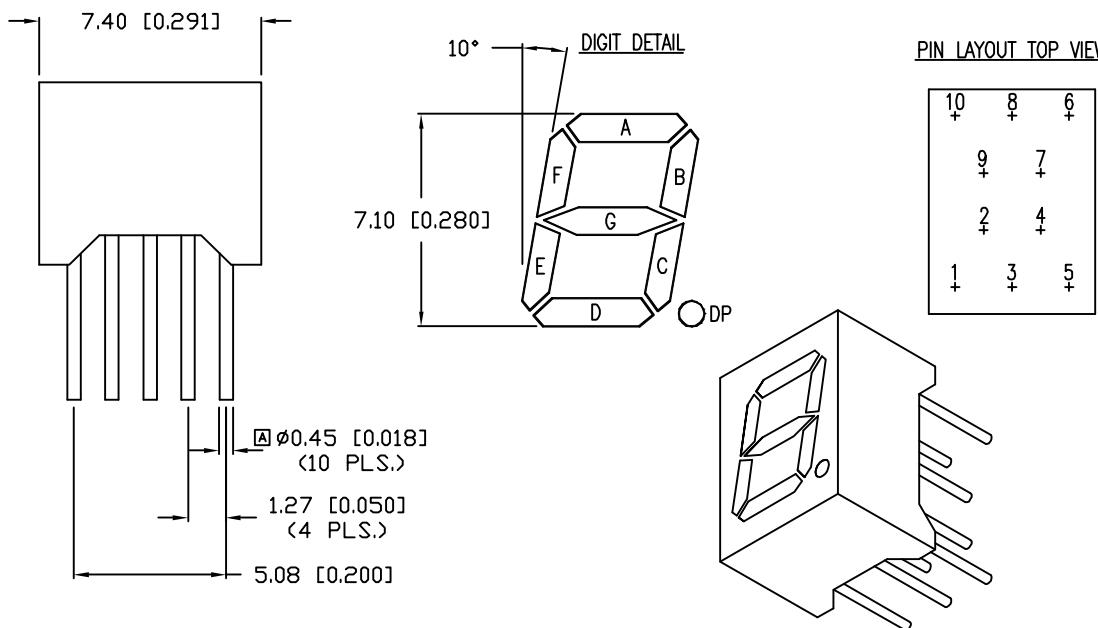
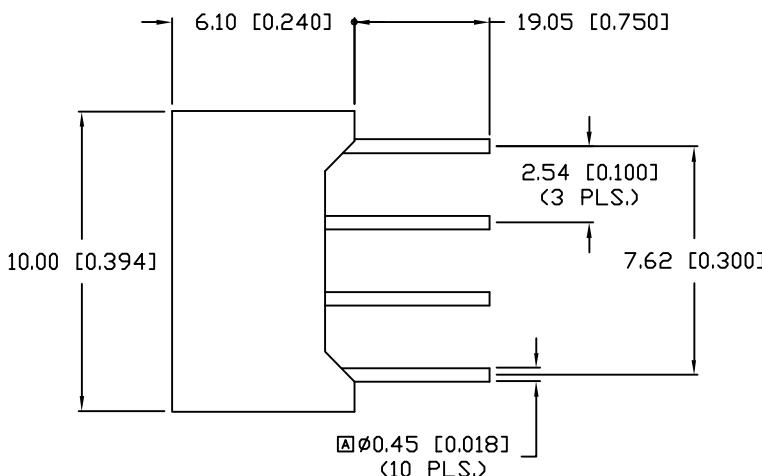
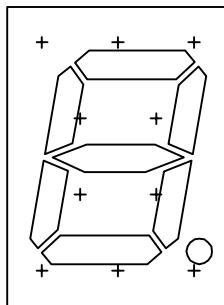
PART NUMBER

LDS-A2804RI-750

REV.

A

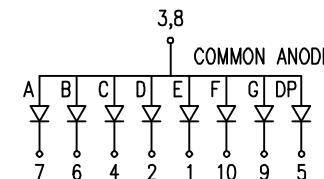
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11601.	12.10.09

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	636			nm	
FORWARD VOLTAGE	2.0		2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	
AXIAL INTENSITY	5600			μcd	$I_r=100\mu\text{A}$ $I_f=10\text{mA}$
EMITTED COLOR:	RED				
FACE COLOR:	GRAY				
SEGMENT COLOR:	MILKY WHITE 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/°C
OPERATING, STORAGE TEMP.	-30 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3 SEC. MAX	

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

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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (± 0.039), X.X=±0.5 (± 0.020), X.XX=±0.25 (± 0.010), X.XXX=±0.127 (± 0.005). LEAD SIZE=±0.05 (± 0.002), LEAD LENGTH=±0.75 (± 0.030). MIN=+DECIMAL PRECISION MAX.=+0.00
MIN=-0.00 -DECIMAL PRECISION

REV.

PART NUMBER
LDS-A2804RI-7500.28" SINGLE DIGIT, SEVEN SEGMENT LED DISPLAY,
636nm RED LEDs, GRAY FACE WITH WHITE SEGMENTS,
COMMON ANODE, ROUND PINS.

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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.

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