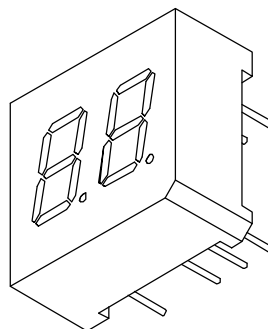
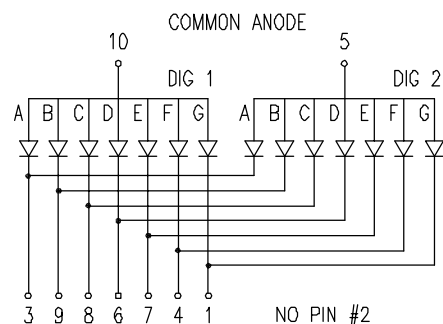
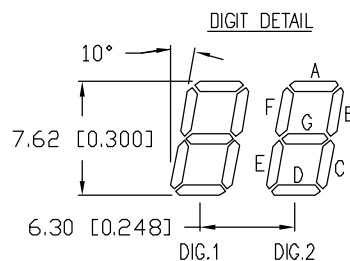
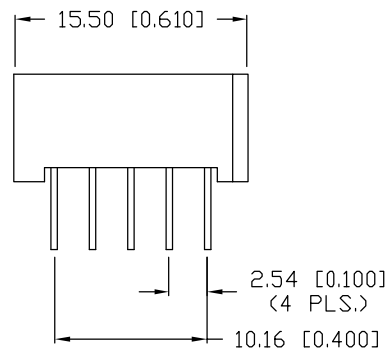


PART NUMBER
LDD-E308NI-S0

Figure 1 shows the dimensions of the sensor. The left diagram illustrates the sensor layout with pins 1, 5, 6, and 10, and two sets of three electrodes. The right diagram provides the dimensions in millimeters and inches:

- Overall width: 7.20 mm [0.283 in]
- Overall height: 15.00 mm [0.591 in]
- Distance from left edge to the start of the electrode array: 4.50 mm [0.177 in]
- Distance between the two electrode arrays: 10.16 mm [0.400 in]
- Electrode diameter: $\phi 0.45$ mm [$\phi 0.018$ in]



PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		620		nm	
FORWARD VOLTAGE		2.0	2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100μA
AXIAL INTENSITY		15000		μcd	I _f =10mA
EMITTED COLOR:	ORANGE				
FACE COLOR:	GRAY				
SEGMENT COLOR:	MILKY WHITE	DIFFUSED			

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.6	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

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

*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
-0.00
-DECIMAL PRECISION

PART NUMBER
LDD-E308NI-S0

0.30" SEVEN SEGMENT, DUAL DIGIT, LED DISPLAY,
620nm ORANGE CHIPS, GRAY FACE WITH WHITE SEGMENTS,
MULTIPLEXED, 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.



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