

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)  
[LDS-AA12RI](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

DATE	REVISIONS	REV
4-22-98	E.C.N. #10BRDR. & REDRAWN./	A

DRAWING NUMBER	REV
LDS-AA12RI	A

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
FORWARD VOLTAGE*		4.4/2.2	5.2/2.6	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		6300		$\mu\text{cd}$	$I_f = 10\text{mA}$
EMITTED COLOR:	GREEN				
FONT COLOR:	GREY				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

\* SECOND VALUE FOR SINGLE CHIP IN DECIMAL POINT.

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$  PER CHIP


PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^\circ\text{C}$	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-20 TO +80	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

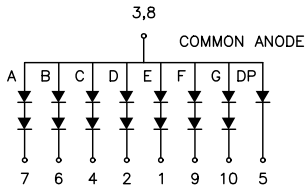
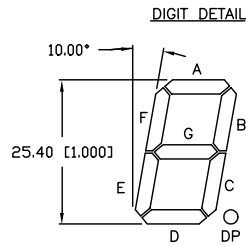
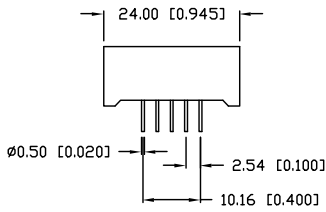
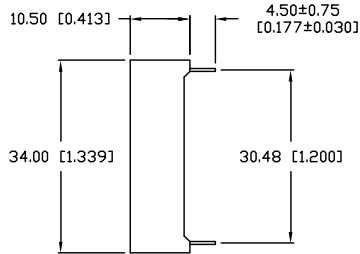
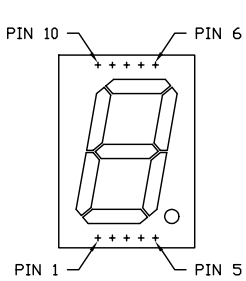
\*  $t < 10\mu\text{s}$

**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.

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	290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (847) 359-2790			
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DATE:	12-19-95	DWN:	CHK'D:	APPD:
SCALE:	N/A			
1.0" SINGLE DIGIT, SEVEN SEGMENT DISPLAY, 565nm GREEN, GREY FONT/WHITE SEGMENTS, COMMON ANODE.				
PAGE	1 OF 1	DRAWING NUMBER	LDS-AA12RI	REV
				A



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

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