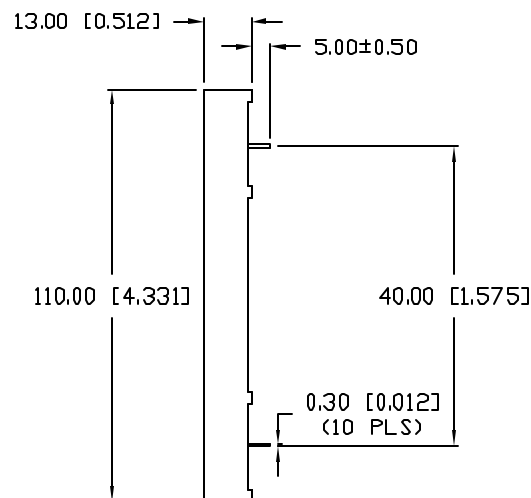
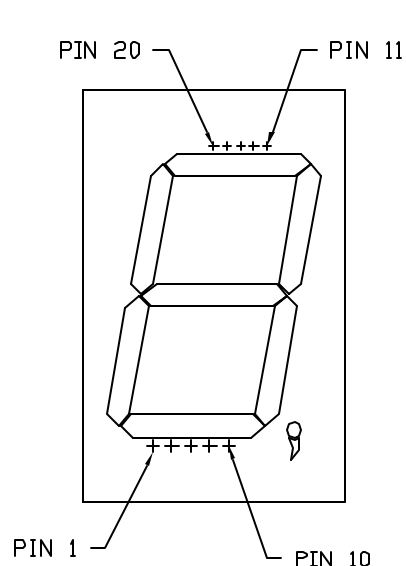




PRELIMINARY IN P/N DIR

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565(GREEN)		nm	
		635(RED)		nm	
FORWARD VOLTAGE		12.6/4.2*	15/5*	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		6300		μcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:		GREEN/RED			
FACE COLOR:		GRAY			
SEGMENT COLOR		WHITE DIFFUSED			

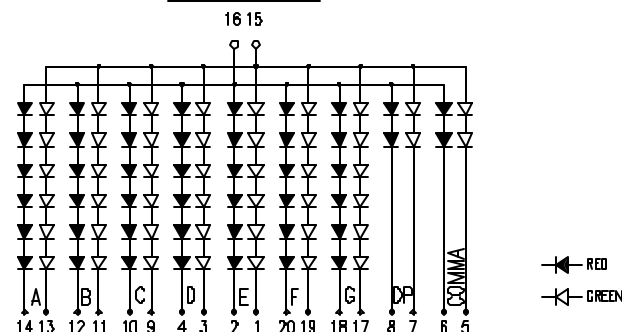
* SECOND VALUE IS FOR DECIMAL POINT/COMMA

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

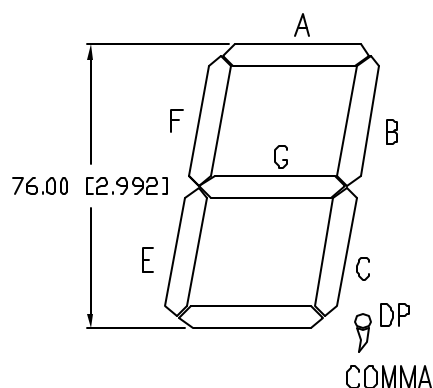
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(G/R)	30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

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

INTERNAL CIRCUIT DIAGRAM



RED
 GREEN



UNCONTROLLED DOCUMENT

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

REV.

PART NUMBER

LDS-AA3024R1

CONFIDENTIAL INFORMATION

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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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DATE: 5.8.07

PAGE: 1 OF 1

SCALE: N/A

3.0" SEVEN SEGMENT, SINGLE DIGIT LED DISPLAY,
GREEN/RED BICOLOR GRAY FACE WITH WHITE SEGMENT,
COMMON ANODE, 20 PINS.

JC