

UNCONTROLLED DOCUMENT

PART NUMBER

SSA-LX45713YW38292

REV.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590 (YELLOW)		nm	
		555 (WHITE)		nm	
FORWARD VOLTAGE (Y/W)		2.0/3.5	2.5/3.95	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (Y/W)		140/800		mcd	$I_f=20\text{mA}$
EMITTED COLOR:	YELLOW/WHITE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(Y/W)	160/100	mA
STEADY CURRENT	(Y/W)	30/25	mA
POWER DISSIPATION	(Y/W)	100/110	mW
DERATE FROM 25°C	(Y/W)	-1.2	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.		+260	$^{\circ}\text{C}$
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= $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$ MAX= $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

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CUSTOM TUBE LED ARRAY, CLEAR, 28 SMD, PCB,
SUPER YELLOW 590nm/WHITE, 110/220 V A.C, W/WIRES

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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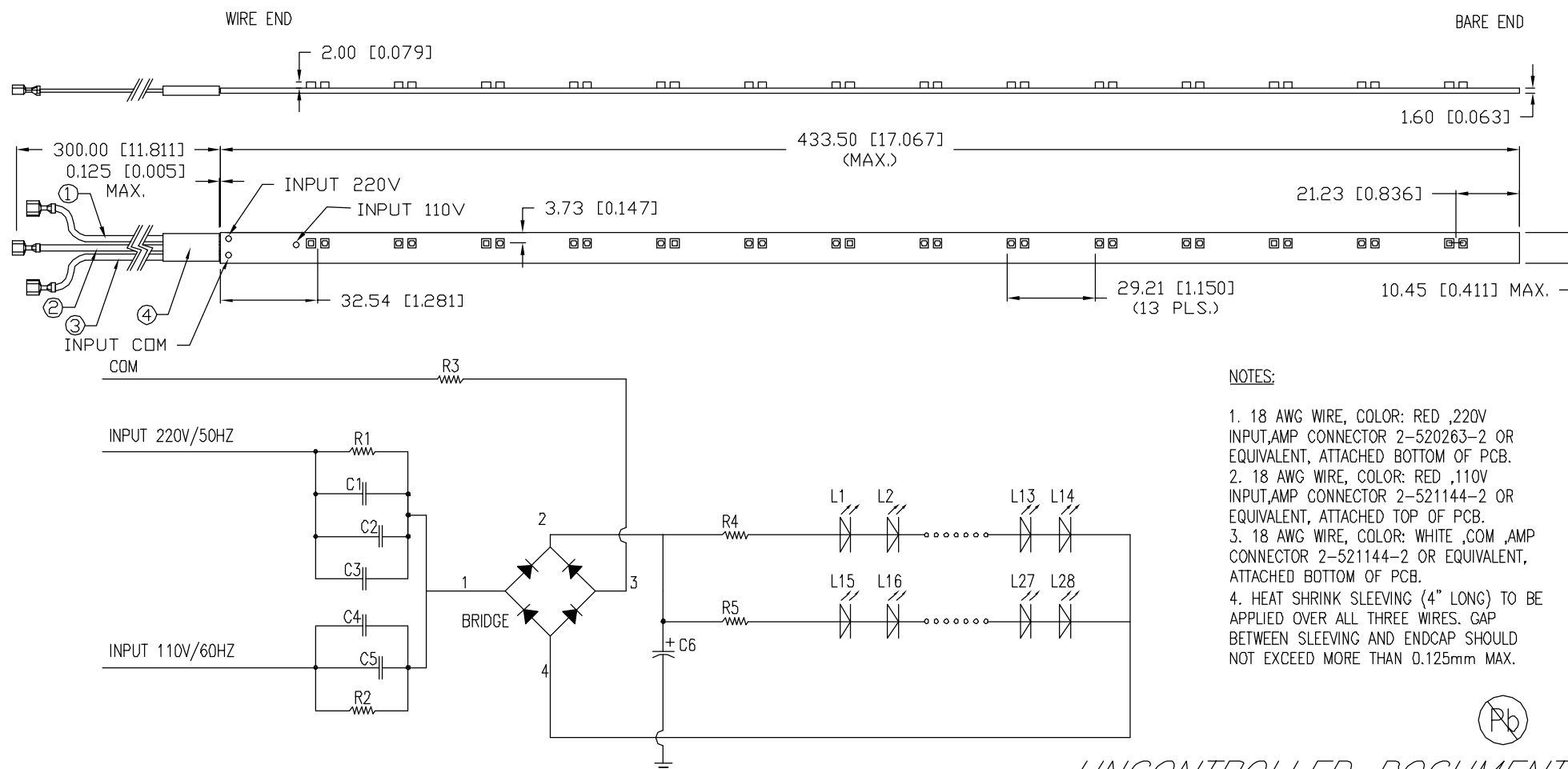
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DATE: 7.04.07

PAGE: 1 OF 3

SCALE: N/A

PCB STRIP



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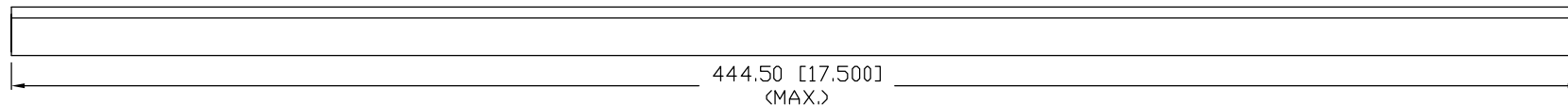
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PCB STRIP (BARE END) TO BE INSERTED FROM THIS SIDE
OF THE TUBE.



CLEAR TUBE:

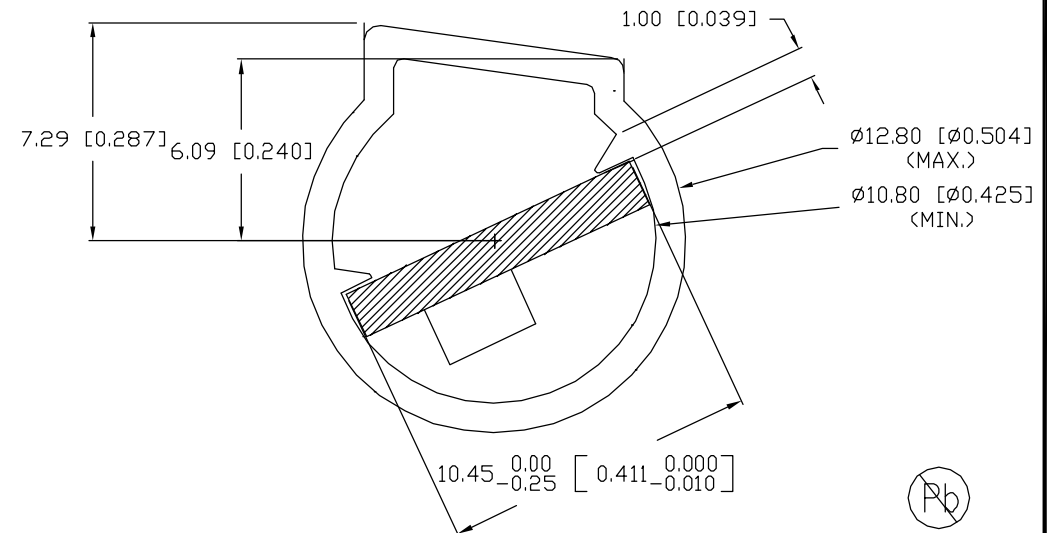
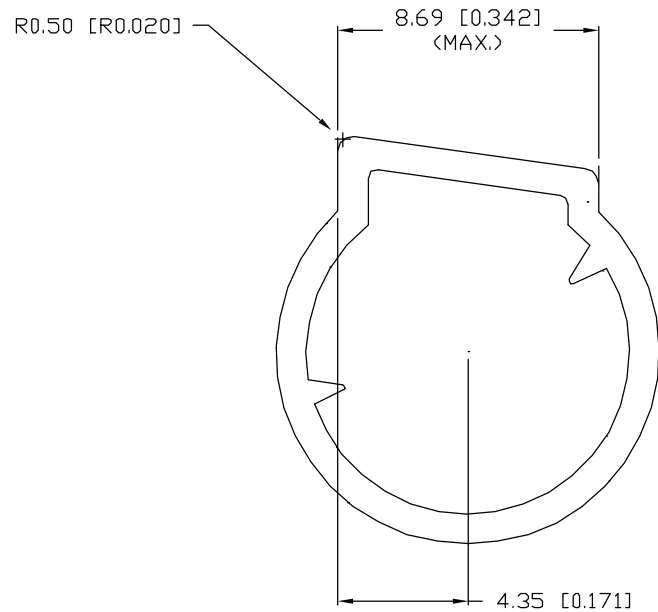


DETAIL A:



DETAIL A:
TUBE W/O PCB

DETAIL A:
TUBE WITH PCB



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