

UNCONTROLLED DOCUMENT

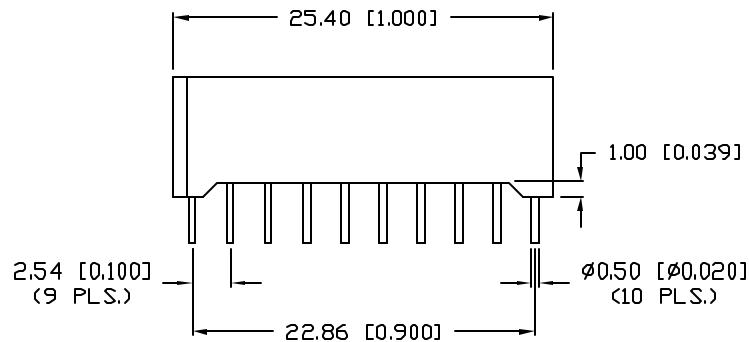
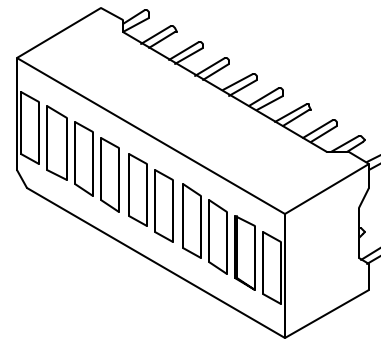
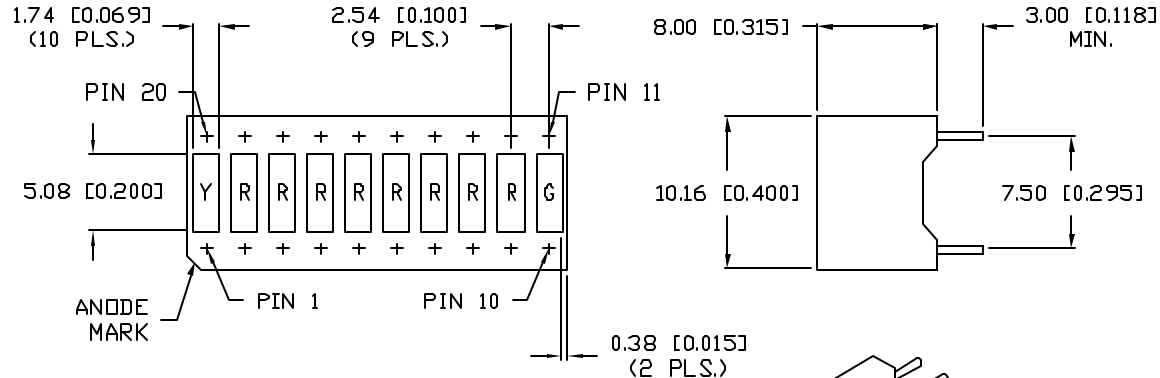
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PART NUMBER

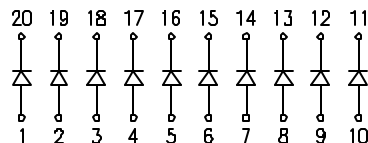
REV.

SSA-LXB10Y1H8G1WGF

PRELIMINARY IN P/N DIR.



TOP VIEW POLARITY



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	YELLOW	RED	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	585	700	565	nm	
FORWARD VOLTAGE (TYP.)	2.1	2.0	2.2	nm	
FORWARD VOLTAGE (MAX.)	2.5	2.5	2.8	V _f	
REVERSE VOLTAGE	5.0	5.0	5.0	V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	8	4	8	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	160	160	160	2x theta	
LED POSITION:	1	2~9	10		
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				
FACE COLOR:	GRAY				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(Y/R/G)	30/30/25	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

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

*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 -0.00, MAX.=+0.00 -DECIMAL PRECISION

REV.

PART NUMBER

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10 SEGMENT RECTANGULAR BAR GRAPH,
1 YELLOW, 8 RED, 1 GREEN,
MILKY WHITE DIFFUSED, GRAY FACE.

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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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SCALE: