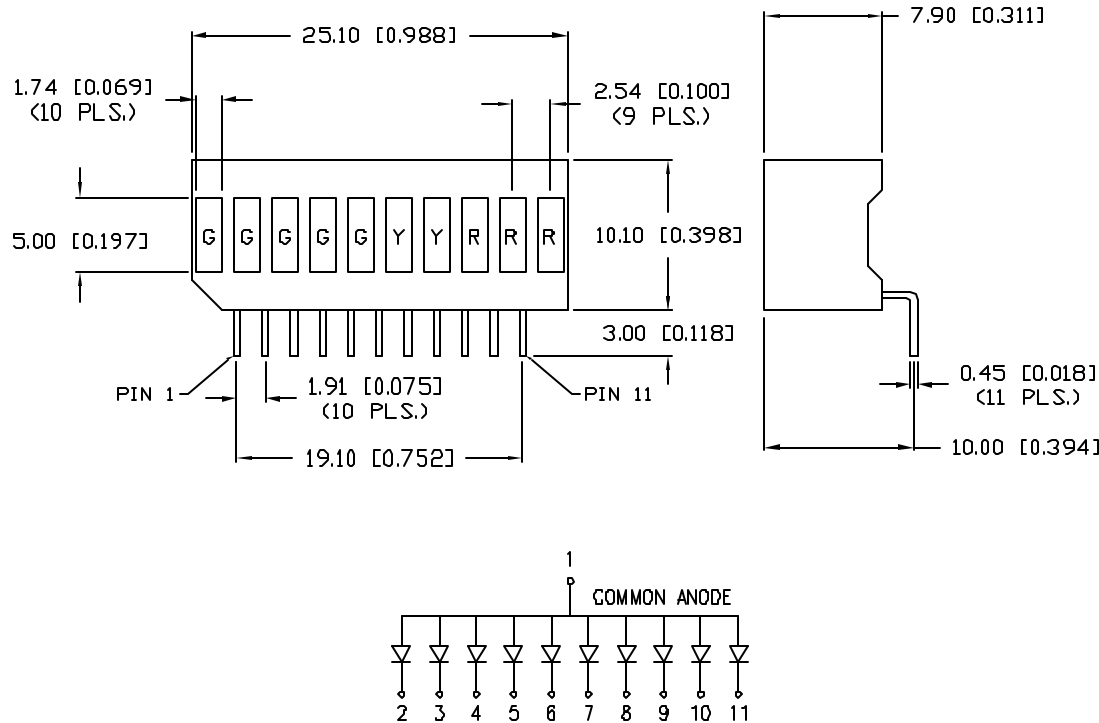


UNCONTROLLED DOCUMENT

UNDER REVISION

SC:0.50	PART NUMBER	REV.
	SSA-LXB10G5Y2I3-RA	B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10477 & #10BRDR. & REDRAWN.	5.12.99
B	E.C.N. #11148	5.22.07



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

PARAMETER	GREEN	YELLOW	RED	UNITS	TEST COND
PEAK WAVELENGTH	565	585	635	nm	
FORWARD VOLTAGE (TYP.)	2.2	2.1	2.0	nm	
FORWARD VOLTAGE (MAX.)	2.6	2.5	2.5	V <sub>f</sub>	
REVERSE VOLTAGE	5.0	5.0	5.0	V <sub>r</sub>	I <sub>r</sub> =100μA
AXIAL INTENSITY	8	8	8	md	I <sub>f</sub> =20mA
VIEWING ANGLE	160	160	160	2x theta	
LED POSITION:	1~5	6~7	8~10		
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	{G/Y/R}	25/30/30	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<10μs

\*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.=<sup>+0.00</sup>/<sub>-0.00</sub> DECIMAL PRECISION, MAX.=<sup>+0.00</sup>/<sub>-0.00</sub> DECIMAL PRECISION

REV.	PART NUMBER
B	SSA-LXB10G5Y2I3-RA

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10 CHIP BARGRAPH, POS.1~5: GREEN, POS.6~7: YEL.,  
 POS.8~10: RED, MILKY WHITE DIFFUSED EPOXY, GRAY FACE.

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.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 10.24.95
JN			PAGE: 1 OF 1
			SCALE: N/A



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