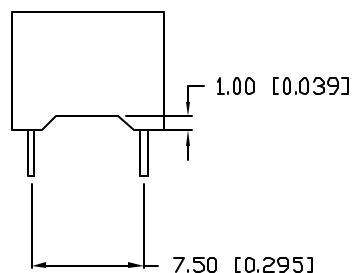
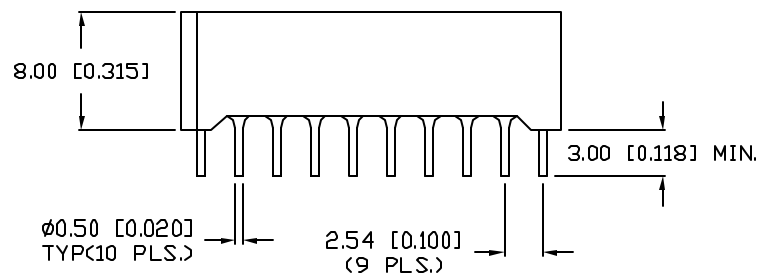
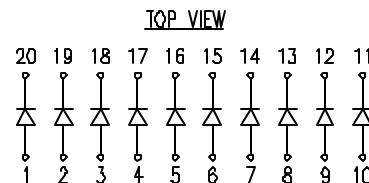
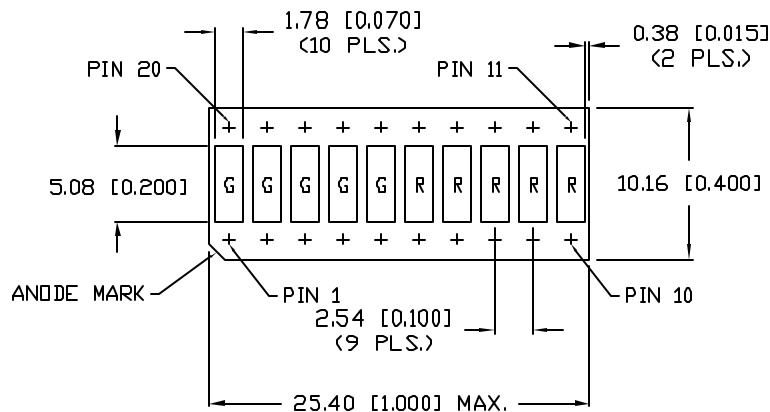


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PART NUMBER
SSA-LXB10G5I5WREV.
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REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148	5.22.07

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) 635 (RED)		nm	
FORWARD VOLTAGE (G/R)		2.2/2.0	2.6/2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		8		med	$I_f=20\text{mA}$
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	GREEN/RED				
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/R)	25/30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.6	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 PRECISIONREV.
APART NUMBER
SSA-LXB10G5I5W

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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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10 SEGMENT BAR GRAPH, GREEN/RED COMBINATION.
GRAY FACE WITH MILKY WHITE DIFFUSED EPOXY.

DRAWN BY: JN	CHECKED BY:	APPROVED BY:	DATE: 5.12.99
			PAGE: 1 OF 1
			SCALE: N/A

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