

DATE

REVISIONS

REV

DRAWING NUMBER

SSA-LXB09-14664

REV

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

PARAMETER	RED	YELLOW	GREEN	UNITS
PEAK COLOR WAVELENGTH	635	585	565	nm
FORWARD VOLTS (TYP)	2.1	2.1	2.1	V _f
FORWARD VOLTS (MAX)	2.8	2.8	2.8	V _f
AXIAL INTENSITY (TYP)	TBA	TBA	TBA	mcd
REVERSE VOLTS @100uA	5.0	5.0	5.0	V _r MIN
VIEWING ANGLE (TYP)	160	160	160	2x theta
LED POSITION	1-3	4-6	7-9	
EMITTED COLOR	RED	YELLOW	GREEN	
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED			
FACE COLOR:	BLACK			

LIMITS OF SAFE OPERATION PER SEGMENT AT 25 DEG. C

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

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

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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(708) 359-2790

DATE: 6-12-95

APPROVED BY:

DRAWN BY:

SCALE: N/A

9 UNIT ARRAY, RED/YEL/GRN, BLACK FONT

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