

UNCONTROLLED DOCUMENT

PART NUMBER
SSI-3054GGD-Q1407

REV.

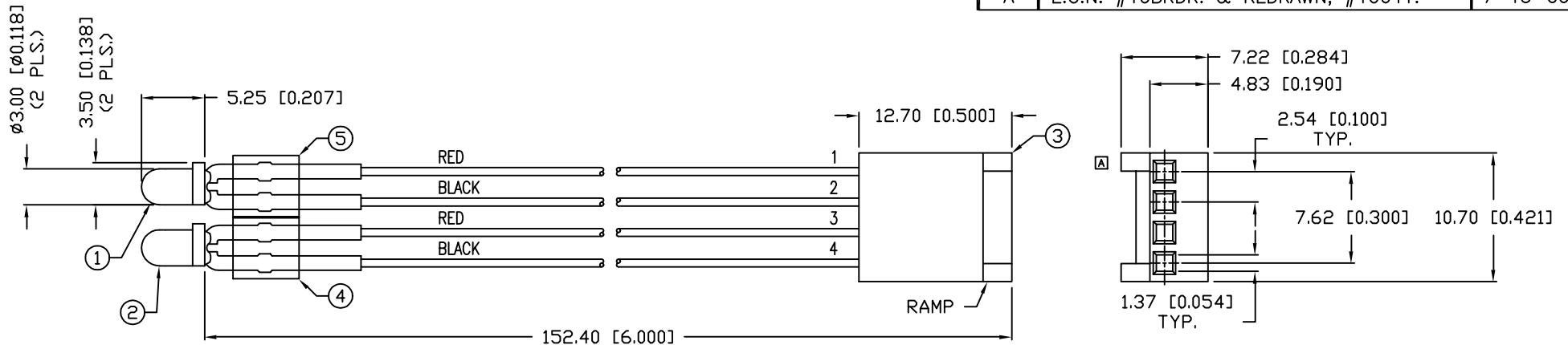
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REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE

A E.C.N. #10BRDR. & REDRAWN, #10641.

7-13-00

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.1	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		20		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.6	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

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

NOTES:

- SSI-LX3054GD-150, GREEN LED WITH 6" WIRE LEADS.
- SSI-LX3054GD-150, GREEN LED WITH 6" WIRE LEADS.
- ☒ MOLEX CONNECTOR #22-01-3047. (LOCKING RAMP, POLARIZING RIB AND CRIMP TERMINAL #08-50-0113)
- LXP-LABEL-POWER, POWER LABEL. 38.1 [1.500] x 9.53 [0.375]
- LXP-LABEL-LASER, LASER LABEL. 38.1 [1.500] x 9.53 [0.375]

*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 MAX= +0.00 -DECIMAL PRECISION

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T-3mm (T-1) PANEL ASSEMBLY,
TWO 565nm GREEN DIFFUSED LED,
WITH MOLEX CONNECTOR AND LABELS.

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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: N/A