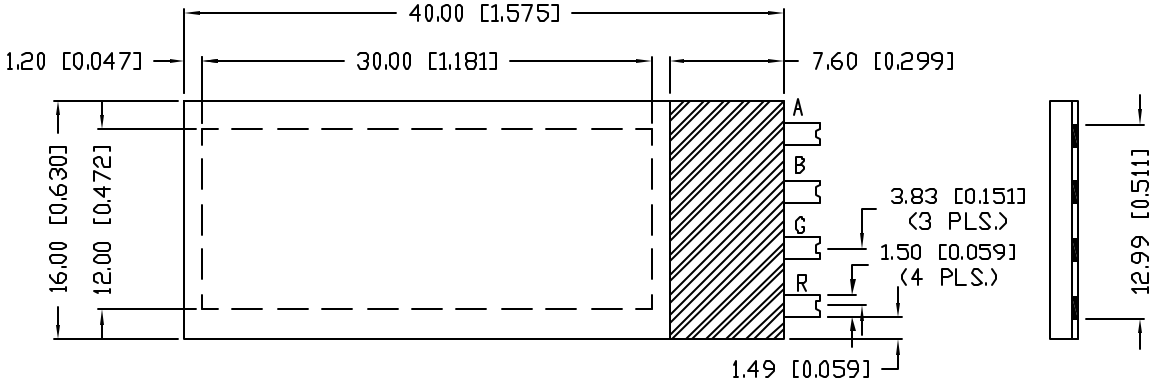
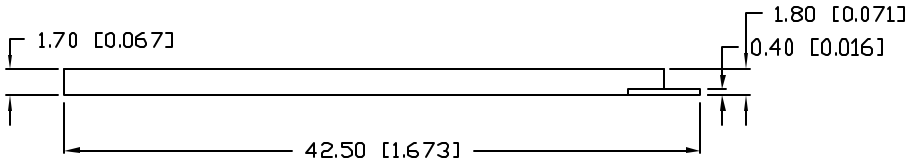
UNCONTROLLED DOCUMENT

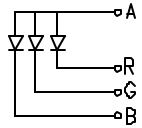
SC:0.50	PART NUMBER	REV.
	SSB-CEL3012RGB	

PRELIMINARY IN P/N DIR





DIAGRAM



ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			611 (RED)		nm	
			565 (GREEN)		nm	I_f=20mA
			468 (BLUE)		nm	
FORWARD VOLTAGE	(R)		2.0	2.5	V_f	
	(G)		3.3	4.0	V_f	I_f=20mA
	(B)		3.3	4.0	V_f	
REVERSE CURRENT				200	µA	V_r=8V
LUMINOUS INTENSITY	(Y)		TBA		cd/m²	
	(G)		TBA		cd/m²	I_f=20mA
	(R)		TBA		cd/m²	
SPECTRAL LINE HALFWIDTH			30		nm	
DIFFUSER TAPE FINISH: WHITE DIFFUSED						

LIMITS OF SAFE OPERATION AT 25°C PER LED

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	20	mA
POWER DISSIPATION (R/G/B)	60/96/96	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-20 TO +70	°C
STORAGE TEMP.	-30 TO +80	°C
SOLDERING TEMP.	+240	°C
2.0mm FROM BODY		3 SEC. MAX

* t<10µS

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*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= $^{\pm\text{DECIMAL PRECISION}}_{-0.00}$ MAX.= $^{+0.00}_{-\text{DECIMAL PRECISION}}$

REV.	PART NUMBER	CONFIDENTIAL INFORMATION	LUMEX	290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
	SSB-CEL3012RGB	THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.		
	CUSTOM BACKLIGHT	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: 5.19.05 PAGE: 1 OF 1 SCALE: N/A
JD			