

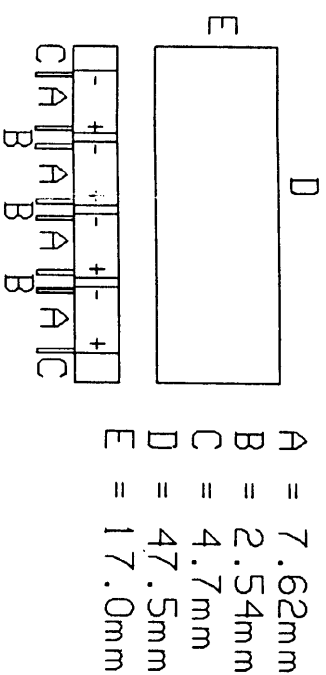
DATA SHEET

FBL 01 A/B

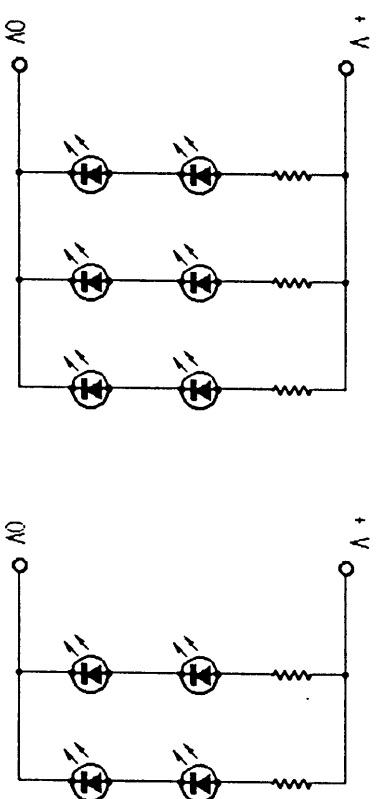
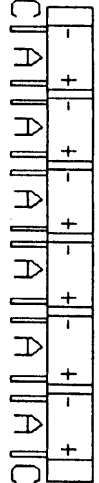
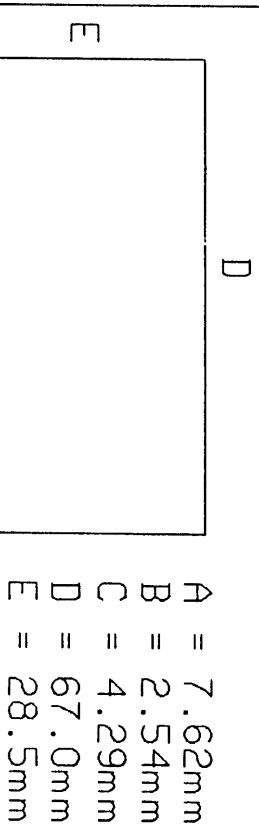
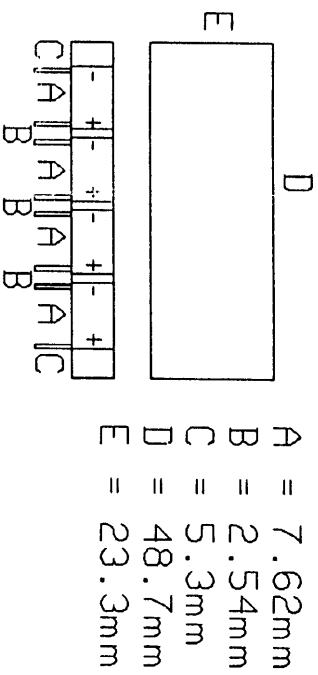
LED TECHNOLOGY LTD BACKLIGHT ASSEMBLY

MAX RATINGS @ 25deg C		TECHNICAL SPECIFICATION			OPERATING TEMPERATURE FOR COMPLETE ASSEMBLY
PARAMETER PER EMITTER		RED	GREEN	UNIT	-20deg C to +55deg C
REVERSE VOLTAGE	Vr	6	10	V	STORAGE TEMPERATURE FOR COMPLETE ASSEMBLY -20deg C to +60deg C
AVERAGE FORWARD CURRENT	If	25	25	ma	
PEAK FORWARD CURRENT 10 SEC PULSE, 0.3% DUTY CYCLE	Ifsm	1000	1000	ma	SOLDERING TEMPERATURE + 260deg C MAXIMUM SOLDERING TIME 5 SEC MAXIMUM
POWER DISSIPATION	Pt	100	85	mW	
DERATE LINEARLY FROM 30deg C		0.45	0.45	mW/deg C	
ELECTRICAL/OPTICAL CHARACTERISTICS (Ta=25deg C; If=20ma					
FORWARD VOLTAGE Vf TYPICAL	3.4	4.2	V	CLEANING AGENT ONLY USE ALCOHOL BASED SUBSTANCE SUCH AS ISOPROPANOL	
Vf MAXIMUM	4	6	V		
REVERSE CURRENT Ir	100 @ Vr = 6v	100 @ Vr = 10v	µA	AVOID BENDING OR PREFORMING OF LED LEGS TO REDUCE STRAIN ON LED LEAD FRAME	
PEAK WAVELENGTH	655	567	nm		
SPECTRAL LINE HALFWIDTH	45	50	nm		

ITEM	COLOUR	PART NUMBER	F.E.C. CODE
1	GREEN	LTR 24 S36 04 YG	254-162
2	GREEN	LTR 24 S38 04 YG	254-174
	RED	LTR 74 S38 04 R	254-186
3	GREEN	LTR 24 S37 06 YG	254-198



CIRCUIT DIAGRAMS	
2	6 LED TYPE
3	4 LED TYPE



NOTE :
 DIMENSIONS "D & E"
 TOLERANCES $\pm 0.3\text{mm}$
 PANEL THICKNESS $3.0\text{mm} \pm 0.3\text{mm}$