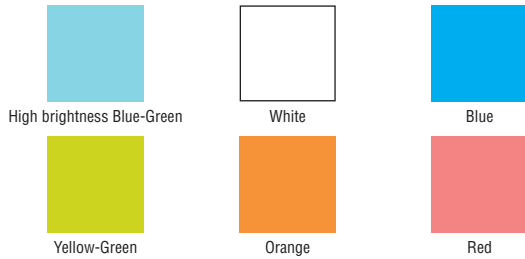


EL (Electro Luminescent) Sheets

Electro Luminescent (EL) Sheet SEIKOSHA

Colour Variants



N.B. Colours may vary from those illustrated. Sizes available: 50 50, 50 60, 130 120, 130 13
Ultra-thin EL sheet is a flexible multilayer fluorescent material which emits light when an ac voltage is applied. The sheets have a strip terminal, which enables the film to be cut up into any number of separate segments of any preferred shape, providing each one has the terminal strip on one side.

Operating voltage	20-200V ac	Film thickness	0.17mm min.
Operating frequency	50-3000Hz	Brightness	H. B. Blue-Green : 73 cd/m ²
Operating temperature	-30°C to +60°C		Other colours : 50 cd/m ²

FOR SUITABLE EL INVERTERS SEE PAGE 232

OPT291

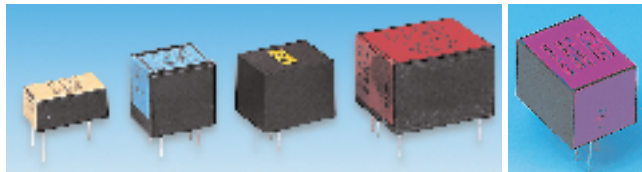
Colour	Order Code	Price Each
50 50mm		1+
Blue	573-176†	
50 60mm		
White	624-135†	
Blue	624-147†	
Orange	624-160†	
Red	624-172†	
130 120mm		
High brightness Blue-Green	624-184†	
White	624-196†	
Yellow-Green	624-214†	
Orange	624-226†	
Red	624-238†	

† Available until stocks are exhausted

EL Inverters

EL Inverters

PACEL



595-299	549-113/572-731	549-125	549-137	142-440
H = 8, W = 23.5, D = 14.0	H = 18.5, W = 21.5, D = 19.0	H = 18.2, W = 24, D = 16.8	H = 20, W = 35.5, D = 2	H = 17.5, W = 25, D = 19

A range of fully encapsulated dc to ac inverters for driving various sizes of electroluminescent (EL) backlit LCDs and EL sheets (available separately). The correct inverter may be chosen by calculating the area of EL to be lit. The P2 and P4 are open circuit and short circuit protected.

The P4 is available with 5V or 12V dc inputs and is a high current design giving higher brightness levels than the P5. The P5EHP is a high power version of the P5E. The P6 has dual dc voltage inputs and will power larger EL lamps up to A4 sheet size.

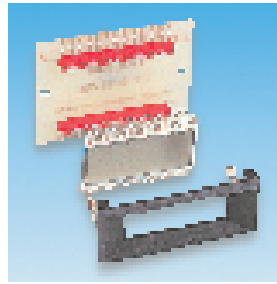
DC Input Voltage V	AC Output Voltage (r.m.s.) V	Output Frequency KHz	Max. EL Area cm ²	Mfrs. List No.	Order Code
2-5	50-70	0.9-1.5	30	P2	595-299
2-5	300	0.4-2.0	100	P4SE05	549-113
11-14	300	0.4-2.0	100	P4SE12	572-731
2-5	70-170	0.3-0.89	100	P5E	549-125
2-5	80-190	0.8-3.5	100	P5EHP	142-440
4-10 8-24	60-150	0.2-0.4	400	P6	549-137

OPT293

Mfrs. List No.	Order Code	1+	5+	10+	25+	50+
P2	595-299					
P4SE05	549-113					
P4SE12	572-731					
P5E	549-125					
P5EHP	142-440					
P6	549-137					

Display Accessories

LCD Mounting Assemblies and Bezels



Bezel assembly kit accepting liquid crystal displays, comprising a matt black panel bezel, complete with mounting clamps, also a PCB fitted with two single row socket strips for mounting the display. The PCB will accept 0.1" edge connectors, ribbon cable etc, for connection to other circuitry. Bezels are also available separately.

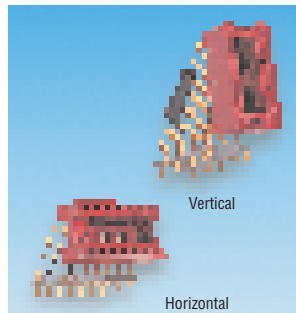
Bezel depth:
Overall = 29.8, Front of panel = 4.4,
Max. panel thickness = 7.9

No. of Digits	Bezel Overall	Panel Cutout	Aperture	PCB	Order Code
3½, 4, 4½ (40 pin)	28.2 69.9	23.0 67.5	16.3 44.5	54.4 71.8	175-753
6 (50 pin)	28.2 87.3	23.0 85.2	16.3 62.2	—	—
8 (68 pin)	28.2 111.1	23.0 109.3	16.3 86.1	—	—

OPT52

Complete Assembly	Order Code	1+	Price Each
3½, 4 and 4½ digit	175-753		25+
Bezels Only			
3½, 4 and 4½ digit	175-756		
6 digit	175-757		
8 digit	175-758		

PCB Mounting Display Sockets



Dimensions H (above PCB)	W	Order Code
14.0	7.6	280-379
19.1	10.2	170-591
10.2	19.1	170-595
10.2	26.7	280-380
17.8	14.0	170-597

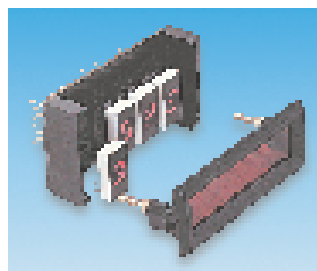
A range of glass filled thermoplastic sockets intended for the mounting of displays with a 0.2", 0.3" or 0.6" pin pitch at a 90° angle from the PCB. The bifurcated contacts are Grade A spring tempered phosphor bronze with tin or gold plating.

Type	Plating	Typical Application
10 way, 0.2" pitch	Tin	Compact 0.3" LED displays
14 way, 0.3" pitch	Gold	0.3" and 0.43" LED displays
20 way, 0.3" pitch	Tin	10 segment LED bar graphs
10 way, 0.6" pitch	Gold	0.5" and 0.56" LED displays

OPT51

Vertical Mounting	Order Code	1+	25+	100+
10 way 0.2" pitch	280-379			
14 way 0.3" pitch	170-591			
Horizontal Mounting				
14 way 0.3" pitch	170-595			
20 way 0.3" pitch	280-380			
10 way 0.6" pitch	170-597			

LED Display Sockets and Bezels



Socket Assemblies

Dimensions H	W	D (inc pin)	Order Code
36.1	67.5	31.0	175-732
38.9	115.0	34.5	175-735

Matt black finished sockets and bezels which accept LED displays in multiples of 4, 6 and 8. The socket assemblies are fitted with DIL sockets for the suitable single digit displays. The sockets have wire wrap pins for either wire wrap or solder connections. All the bezel sizes are available with either red or neutral

circularly polarised filters to suit all display colours.

Socket Assemblies	Order Code	1+	Price Each
LED Display Acceptance			10+
7.6mm (0.3"), 10.9mm (0.43")			
4 way	175-732		
16.0mm (0.63"), 20.3mm (0.8"), 25.4mm (1.0")			
4 way	175-735		