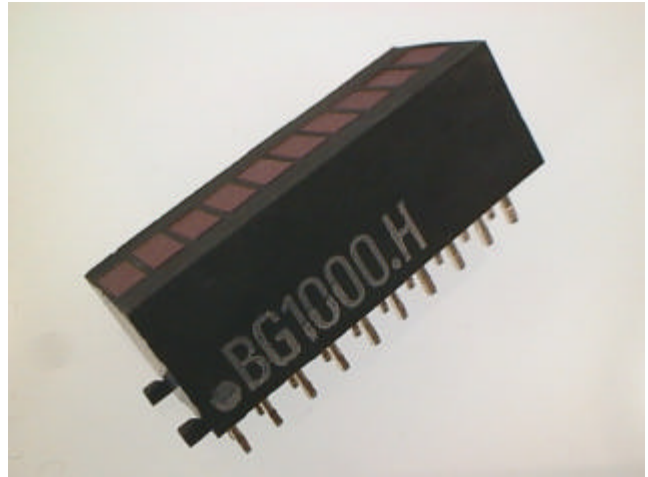


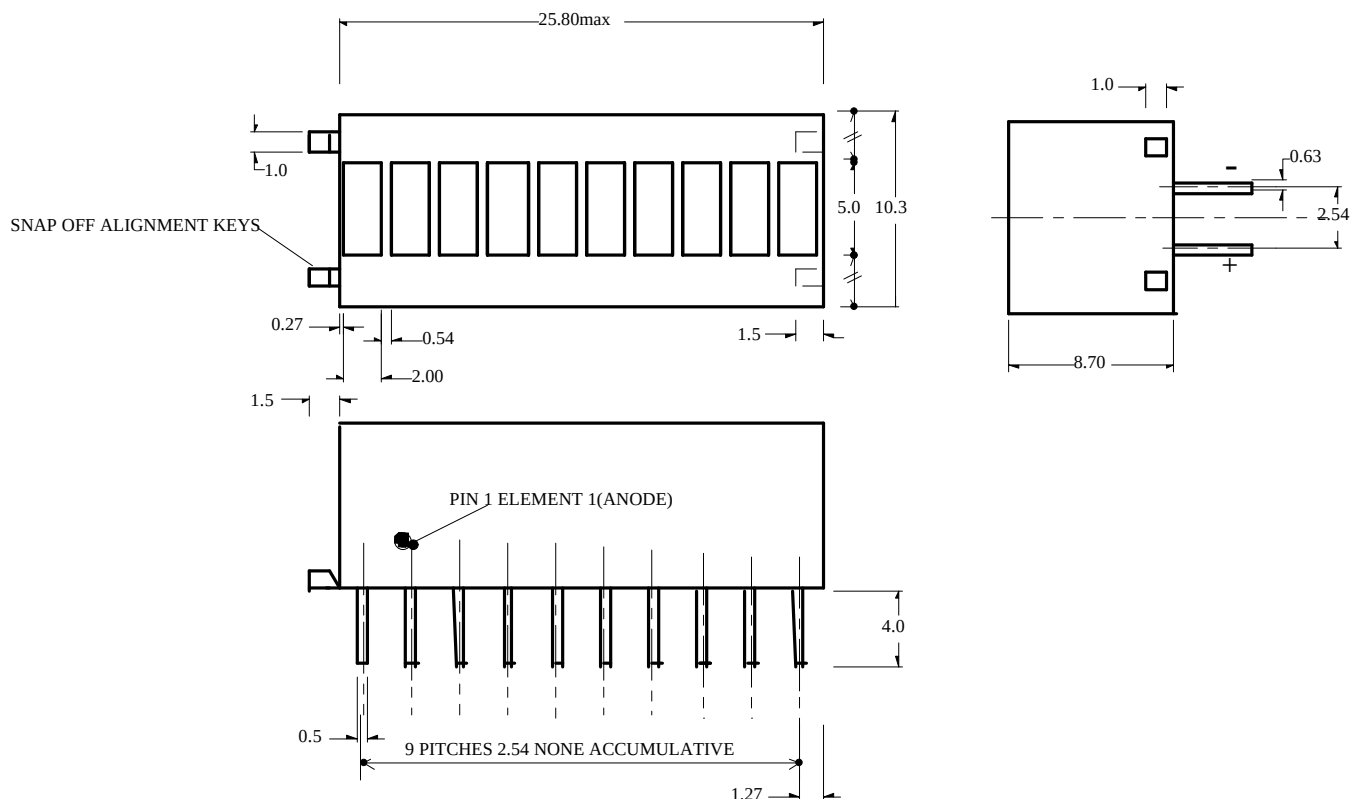
BG 1000 BARGRAPH 10 ELEMENT 5x2 mm

The BG1000 is a family of Bar graphs available in any number of end stackable elements up to 10. The package has alignment keys to facilitate accurate fast positioning and is moulded in black V0 rated Nylon 6. Any combination of 3 colours and bi-colours, and number of elements can be supplied.

- Custom multicolour capability. Red, Yellow, Green, & Red/Green bi-colour.
- Variable number of elements
- Alignment keys for easy end stacking
- Wide viewing angle
- Large emitting area- 5x2mm
- High On-Off contrast.



MECHANICAL DATA



BEDFORD OPTO TECHNOLOGY LTD
LINDSAYLANDS, BIGGAR, LANARKSHIRE, ML12 6NR

Tel: +44 (0) 1899 221221 Fax: +44 (0) 1899 221009

Website: bot.co.uk E-mail: bill@bot.co.uk

10.7.01 ISS B

	YELLOW	RED, GREEN	BI-COLOUR (RED/GREEN)
FORWARD CURRENT	20mA	30mA	30mA
POWER DISSIPATION PER LED	85mW	120mW	100mW
REVERSE VOLTAGE @10uA	5 Volts	5 Volts	5V
STORAGE TEMP	-55 to +100°C	-55 TO +100 °C	-40 TO +100 °C
DERATE LINEARLY FROM 50°C	1.6mW/°C	1.6mW/°C	-
LEAD SOLDERING TEMP 2m from body t < 5 sec	260°C	260°C	260°C

OPTO ELECTRONIC DATA Tamb = 25 °C

TYPE NO.	PEAK WAVELENGTH nm	FORWARD VOLTAGE MAX		LUMINOUS INTENSITY mcd			2 $\frac{1}{2}$ deg
		VF VOLTS	If mA	MIN	MAX / (Typ)	If mA	
BG 1000H	635	2.0 (Max 3.0)	20	1.5	3.0	10	100
BG 1000Y	585	2.1 (Max 3.0)	20	1.5	3.0	10	100
BG 1000G	562	2.2 (Max 3.0)	20	1.5	(3.0)	10	100
BG 1000R/G	Red – 635 Green – 565	Min-1.7, Max- 2.8	20	3.5	(6.0)	10	116

ORDERING INFORMATION

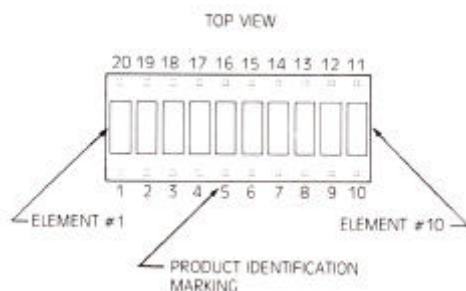
For Mixed colours, blanks and less than 10 elements, please describe your requirements as follows:
EXAMPLE

BG100X R R R B G G Y H Y Y

Family
Position 1
Position 10

X = 0 = 10 elements
X = 9 = 9 elements etc

Y = Yellow, G = Green, B = Blank, H = Hi-eff Red,
R/G = Red-Green bi-colour, Custom part numbers will
be issued to simplify your ordering information
Reverse polarity LEDs can be supplied if required.



PIN	FUNCTION	PIN	FUNCTION
1	ANODE 1	11	CATHODE 10
2	ANODE 2	12	CATHODE 9
3	ANODE 3	13	CATHODE 8
4	ANODE 4	14	CATHODE 7
5	ANODE 5	15	CATHODE 6
6	ANODE 6	16	CATHODE 5
7	ANODE 7	17	CATHODE 4
8	ANODE 8	18	CATHODE 3
9	ANODE 9	19	CATHODE 2
10	ANODE 10	20	CATHODE 1

BEDFORD OPTO TECHNOLOGY LTD
LINDSAYLANDS, BIGGAR, LANARKSHIRE, ML12 6NR

Tel: +44 (0) 1899 221221 Fax: +44 (0) 1899 221009

Website: bot.co.uk E-mail: bill@bot.co.uk