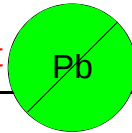


This
component
is RoHS
compliant

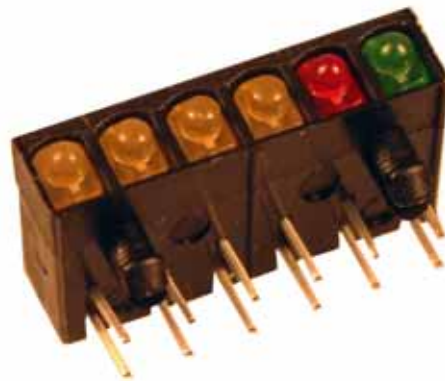


BOT1806 6 ELEMENT PCB MOUNT 1.8mm LED ARRAY

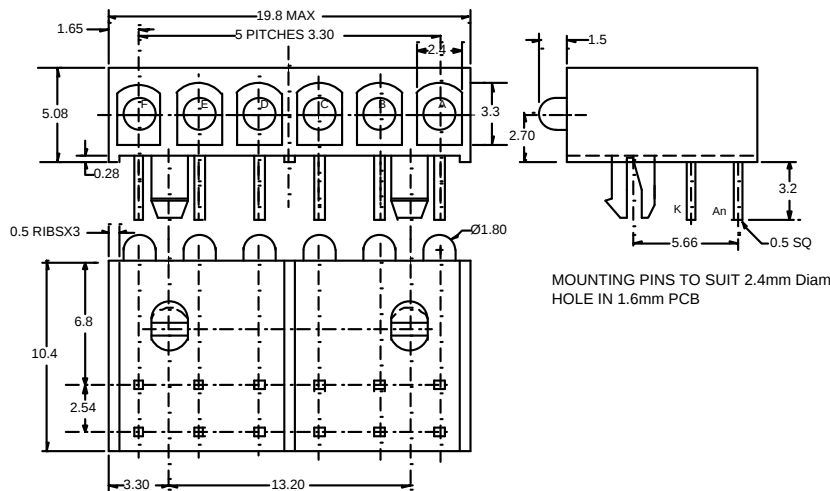
BLUE LEDS NOW AVAILABLE

The BOT1806 series array is a family of devices using a Black Nylon 6 VO rated housing to mount up to six in line 1.8mm LEDs on 3.30mm centres at right angles to the PCB. In any one batch the LEDs are matched for lumenous intensity . This array has locating pins for alignment and multiple package use.

- End stackable
- Accurate positioning.
- Good matching
- ± 20 Deg viewing angle
- Mixed colours



MECHANICAL DATA



BEDFORD OPTO TECHNOLOGY LTD
1,BIGGAR BUSINESS PARK, BIGGAR,LANARKSHIRE ML12 6FX
Tel: +44 (0) 1899 221221 Fax: +44 (0) 1899 221009
Website: bot.co.uk E-mail: bill@bot.co.uk

ABSOLUTE MAXIMUM RATINGS (TA = 25°C)**BOT1806**

	Red	Others
REVERSE VOLTAGE	5Volts	5 Volts
CONTINUOUS FORWARD CURRENT	30mA	30 mA
POWER DISSIPATION Ta < 55 C	100mW	100 mW
OPERATING TEMP	-20 to +100°C	
STORAGE TEMP	-55 to +100°C	
DERATING FROM 25°C	0.4mA/ °C	

	Blue
REVERSE VOLTAGE	5 Volts
FORWARD CURRENT	30 mA
POWER DISSIPATION	120mW
OPERATING TEMP °C	-20 to+80
STORAGE TEMP °C	-30 to+100

SOLDERING TEMPERATURE (5secs max 1.6mm from body)
ALL TYPES

260 °C max

OPTO

COLOUR		Luminous Intensity If = 10mA mcd	Peak Wavelength nm	Forward Voltage If = 20mA volts
RED	min	1.2	-	-
	typ	2.5	695	2.2
	ma	-	-	2.8
ORANGE	min	9.0	-	-
	typ	15	633	2
	ma	-	-	2.8
YELLOW	min	3.0	-	-
	typ	5	590	2.1
	ma	-	-	2.8
GREEN	min	6.5	-	-
	typ	15	570	2.2
	ma	-	-	2.8
BLUE	Min	21	430	3.8
	Typ	38		

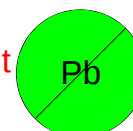
ORDERING INFORMATION

BOT106 A - - - - - F

R = Red O = Orange
Y = Yellow G = Green
BL=Blue B = Blank

For all same colour LEDs please use just one letter.Mixed colour combinations will be issued a special part number.

**This component
is RoHS
compliant**



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