

# ORT43S

## 3mm LED CIRCUIT BOARD INDICATOR

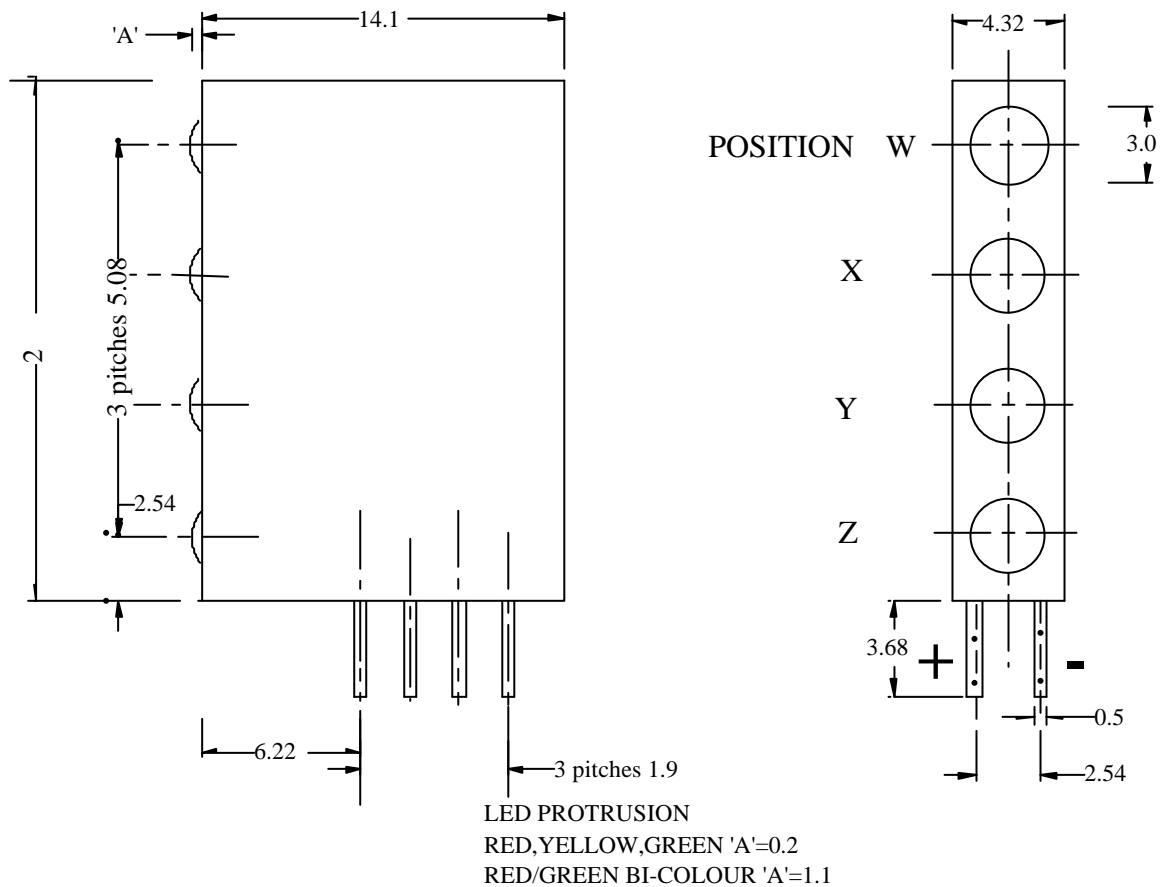
### 4 TIER SHROUDED

The ORT43S is a 3mm LED Circuit Board Indicator Quad Level, and allows for LED mounting at 90 deg to a PCB. The housing is moulded in Black Nylon 6 which is flame retardant.

- Extended housing eliminates light bleed
- Housing assures proper LED alignment
- Single PC Board insertion – 4 LEDs
- Black case enhances contrast
- Baseplate ensure accurate pin alignment for easy board insertion.
- Equivalent to Dialight 568-221X series



### MECHANICAL DATA



**BEDFORD OPTO TECHNOLOGY LTD**  
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# ORT43S

PARAMETER	Red/Green	Hi-Eff Red	Green	Yellow	Orange
Continuous Forward Current	30mA	30mA	30mA	30mA	30mA
Peak Forward Current (1/10 @	150mA	150mA	150mA	150mA	150mA
Power Dissipation	80mW	35mW	100mW	100mW	100mW
Reverse Current [Vr=5V]	100μA	100μA	100μA	100μA	100μA
Operating Temperature range	-40°C to +80°C	-40°C to +100°C			
Storage Temperature	-40°C to +85°C	-40°C to +100°C			
Lead Soldering Temperature	260°C for 5secs				

### Electro-Optical Data (T<sub>A</sub> = 25°C)

PARAMETER	Orange	Red	Green	Yellow	Red/Green
Forward Voltage      Max	2.6V	2.6V	2.6V	2.6V	2.6V
Luminous Intensity      Typ [ @20mA]	70mcd	50mcd	70mcd	60mcd	Red- 35.0 mcd Green- 40.0 mcd
Viewing Angle	50deg	60deg	60deg	50deg	40deg
Peak Wavelength	610nm	635nm	568nm	585nm	Red- 635nm

## Ordering Information

**ORT43SWXYZ** where W, X, Y, Z = R = Red  
G = Green  
Y = Yellow  
O = Orange  
BC = Red/Green Bi-colour

For mixed colours a custom part number will be allocated.

## OPTO ELECTRONIC SOLUTIONS

BOT specialise only in the design, development and manufacture of visible and infra-red Opto Electronic products. Standard visible products include, LED Bargraph, Arrays, Stand-off, Circuit Board Indicators and Panel Mount Assemblies. Standard I.R. products include 10KV BASEEFA certified Opto Couplers, Transmissive & Reflective Switches. Custom designs of Visible and I.R. products on request.

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