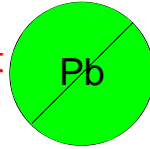


This component is RoHS compliant



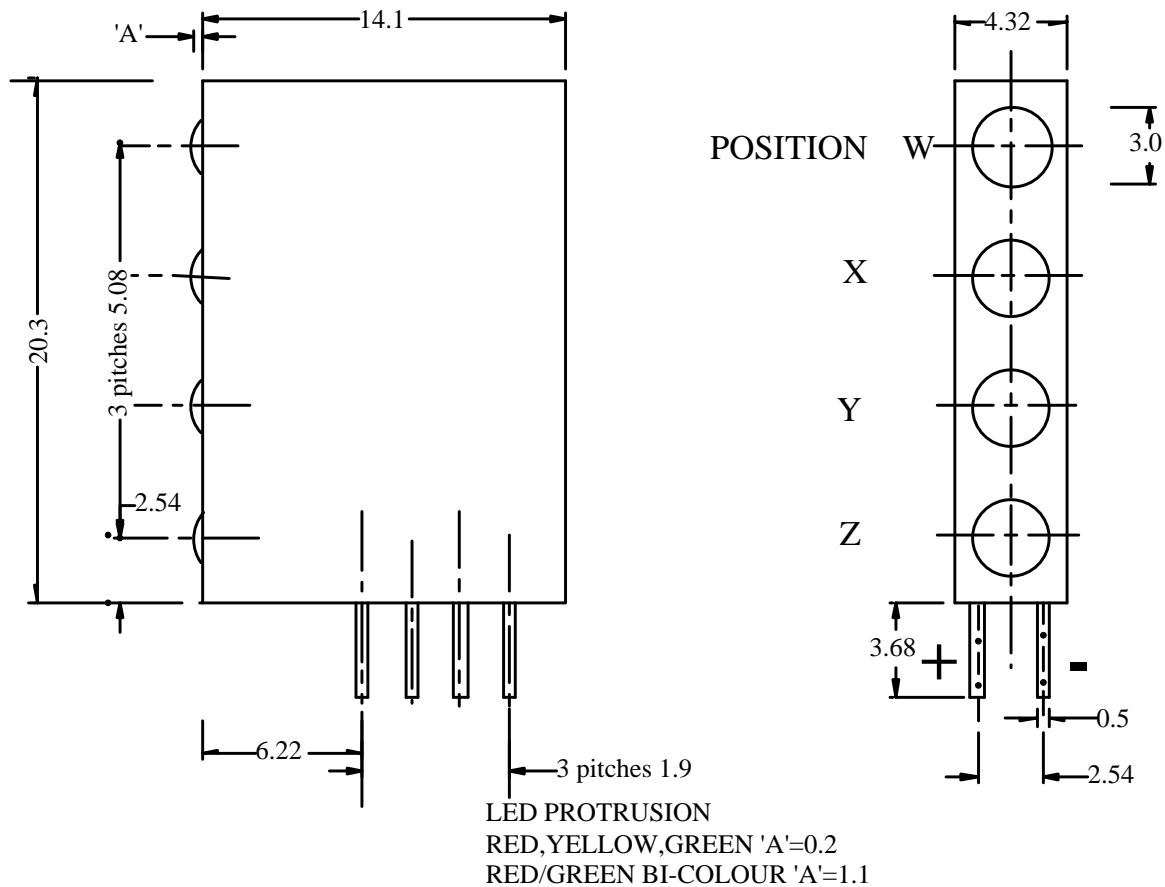
# ORT43S 3mm LED CIRCUIT BOARD INDICATOR 4 TIER SHROUDED

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**  
**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)

# ORT43S

| PARAMETER                                    | Red/Green       | Hi-Eff Red      | Green | Yellow | Orange |
|--|-----------------|-----------------|-------|--------|--------|
| Continuous Forward Current                   | 30mA            | 30mA            | 30mA  | 30mA   | 30mA   |
| Peak Forward Current (1/10 @ 1Khz)           | 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 (2.0mm from body) | 260°C for 5secs |                 |       |        |        |

## Electro-Optical Data (TA = 25°C)

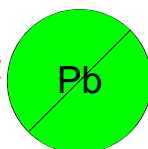
| PARAMETER                     |     | Orange | Red   | Green | Yellow | Red/Green                        |
|-------------------------------|-----|--------|-------|-------|--------|----------------------------------|
| Forward Voltage<br>[@20mA]    | Max | 2.6V   | 2.6V  | 2.6V  | 2.6V   | 2.6V                             |
| Luminous Intensity<br>[@20mA] | Typ | 70mcd  | 50mcd | 70mcd | 60mcd  | Red- 35.0 mcd<br>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.

This  
component  
is RoHS  
compliant



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