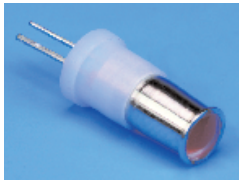


## 3mm, Push Fit – IP67



Total length = 10.5, Bezel dia. = 5.8, Mounting hole = 5, Lead length = 6, Red sleeve Anode

- Fully potted and will seal to **IP67**
- Nickel plated brass body with flying leads
- Push fit indicator supplied with mounting bush
- Operates at 20mA or below
- Suitable for portable equipment or where close mounting centres are required



Wavelength	Red	Orange	Green	Yellow
Intensity @ 20mA (mcd)	1.0	4.0	4.0	3.0

Operating voltage	2Vdc			
Operating temp.	-40°C to +85°C	MTBF	80,000 hours	
Storage temp.	-50°C to +100°C	Viewing angle	180°	

OPT546

Colour	Mftrs. List No.	Order Code	Price Each			
			1+	5+	10+	25+ 50+
Red	658-391-04	<b>948-822</b>				
Orange	658-392-04	<b>948-834</b>				
Green	658-393-04	<b>948-846</b>				
Yellow	658-394-04	<b>948-858</b>				

## 3mm/T1-Flush Mounting, Countersunk

## SLOAN



Nickel plated brass body with a countersunk bezel, a fixed flat polycarbonate fresnel lens. The countersunk bezel enables these indicators to be mounted flush to the panel. Connection is via two insulated solder bucket terminals.

L = 27.5 (overall), Lens dia = 6.5, Bezel dia = 9.2, Mounting hole dia = 6.2, Countersunk = 9.4 dia 0.5mm/45°, Max panel thickness = 9.0 (min = 5.0)

Colour	View Angle	Typ. Lum. Intensity (mcd) @ I <sub>F</sub> = 20mA	V <sub>F</sub> (typ.)	I <sub>F</sub> (mA) (max.)	PIV (max.)	Mftrs. List No.
						Mftrs. List No.
Red	60	60	1.7	50	4	194-S-0-1-8R1-R310-0
Green	60	15	2.1	50	4	194-S-0-1-8G1-G310-0
Amber	60	24	2.2	50	4	194-S-0-1-8A1-Y310-0

OPT408

Colour	Mftrs. List No.	Order Code	Price Each		
			1+	5+	10+
Red	194S0108R1R3100	<b>743-914</b>			
Green	194S0108G1G3100	<b>743-926</b>			
Amber	194S0108A1Y3100	<b>743-938</b>			

## LED Indicators, 4mm Lens Diameter

### 4mm



Recessed type Prominent type

Panel mounting 4mm LEDs housed in a choice of black anodised aluminium or bright chromium plated brass bezels. The bezels of the chrome finished types are polished to form high quality reflectors. The indicators are available with either recessed or prominent LEDs.

Body length = 14, Bezel dia = 7.6, Mounting hole dia = 6.2 Thread = M6 0.75, Short lead is cathode

Operating temperature	-25°C to +80°C	Viewing angle	120°
Maximum power dissipation	70mW		

	I <sub>F</sub> max.	V <sub>F</sub> typ.	V <sub>R</sub> max.	Typ. Lum. Intensity (mcd)
Red	25mA	1.9V	3V	1.5 @ 5mA
Green	25mA	2.1V	3V	3.5 @ 20mA
Amber	25mA	2.1V	3V	5.0 @ 20mA

OPT62

Colour	Order Code	Price Each			
		1+	25+	100+	250+
<b>Prominent – Bright Chrome</b>					
Red	<b>.170-160</b>				
Green	<b>.170-161</b>				
Amber	<b>.170-162</b>				
<b>Recessed – Bright Chrome</b>					
Red	<b>.170-163</b>				
Green	<b>.170-164</b>				
Amber	<b>.170-165</b>				
<b>Prominent – Black anodised aluminium</b>					
Red	<b>.170-585</b>				
Green	<b>.170-586</b>				
Amber	<b>.170-587</b>				
<b>Recessed – Black anodised aluminium</b>					
Red	<b>.170-588</b>				
Green	<b>.170-589</b>				
Amber	<b>.170-590</b>				

## 4mm with Jewelled Lens



Panel mounting 4mm LED housed in bright chromium plated brass bezel and fitted with coloured jewelled lens. The indicator is fitted with solder tags for easy connection.

Body length = 13, Bezel dia = 10, Mounting hole dia = 8.2 Thread = M8 0.75, Colour marker indicates anode

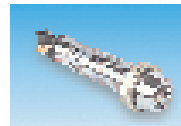
Operating temperature	-25°C to +80°C	Viewing angle	120°
Maximum power dissipation	70mW		

	I <sub>F</sub> max.	V <sub>F</sub> typ.	V <sub>R</sub> max.	Typ. Lum. Intensity (mcd)
Red	30mA	2.0V	3V	0.8 @ 10mA
Green	30mA	2.1V	3V	1.0 @ 20mA
Amber	30mA	2.1V	3V	2.0 @ 20mA

OPT65

Colour	Order Code	Price Each		
		1+	50+	100+
Red	<b>170-374</b>			
Green	<b>170-375</b>			
Amber	<b>170-376</b>			

## 4mm with Integral Resistor



The 4mm LED is housed in a bright chrome plated brass housing and has a protective lens. Connection is via solder tags.

Body length = 32, Bezel dia = 8.4, Mounting hole dia = 7.2 Thread = M7 0.75, Colour marker indicates anode (+ve)

Colour	Nominal Operating Voltages	Typ. Lum. Intensity	I <sub>F</sub> @	V <sub>R</sub>
			Nom. V.	max.
Red	6, 12 and 24V dc	0.8mcd	10mA	3V
Green	6, 12 and 24V dc	1.0mcd	15mA	3V
Amber	6, 12 and 24V dc	2.0mcd	15mA	3V

OPT64

Colour	Order Code	Price Each		
		1+	50+	100+
<b>5/6V dc</b>				
Red	<b>170-365</b>			
Green	<b>170-366</b>			
Amber	<b>170-367</b>			
<b>12V dc</b>				
Red	<b>170-368</b>			
Green	<b>170-369</b>			
Amber	<b>170-370</b>			
<b>24V dc</b>				
Red	<b>170-371</b>			
Green	<b>170-372</b>			
Amber	<b>170-373</b>			

## LED Indicators, 5mm Lens Diameter

### Cable Assemblies for Tab Terminals



- Cable assemblies suitable for all indicators with 2.0 0.55mm and 2.8 0.8mm tab terminations
- These assemblies fit all of the EBT ranges of LED Indicators and Xenon Flash Indicators. The 2.0 0.55mm fit the 3 & 5mm ranges and the 2.8 0.8mm fit the 10 & 16mm ranges and the Xenon Indicators

- Suitable for all voltage ranges
- Flying lead length is 300mm in red and black

OPT626

2.0 0.5mm	Order Code	Price Each				
		5+	25+	50+	100+	250+
Red, 300mm	<b>301-1598</b>					
Black, 300mm	<b>301-1604</b>					
<b>2.8 0.8mm</b>						
Red, 300mm	<b>301-1616</b>					
Black, 300mm	<b>301-1628</b>					

continued