

Combined Lens/Mounts



	H overall	H above panel	Dia.
5mm/T1¼ standard	10.92	5.59	7.11
5mm/T1¼ low profile	10.92	1.78	7.11
3mm/T1 standard	7.37	3.81	4.83

A combined lens and mount for standard 5mm/T1¼ and 3mm/T1 LEDs, provides increased apparent brightness, wider viewing angle and added protection. Snap in lens/mount from front, and whilst holding this in position insert the LED from the back. The low profile lens/mounts are supplied with a spacer, required for panels less than 4.8mm thick.

Size	Mounting Hole Dia.	Max Panel Thickness	Order Code
5mm/T1¼ standard	6.35 ±0.05	1.6 – 3.2	170-808 to 170-812
5mm/T1¼ low profile	6.35 ±0.05	0.8 – 6.35	176-916 to 176-920
3mm/T1 standard	4.34 ±0.05	0.8 – 1.6	170-813, 170-817

OPT100

Order Multiple=5

Colour	Order Code	5+	25+	100+	500+	1K+
5mm/T1¼ Standard						
Red	170-808					
Amber	170-809					
Green	170-810					
Yellow	170-811					
Clear	170-812					
5mm/T1¼ Low Profile						
Red	176-916					
Amber	176-917					
Green	176-918					
Yellow	176-919					
Clear	176-920					
3mm/T1 Standard						
Red	170-813					
Clear	170-817					

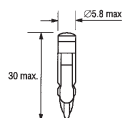
Multi-Chip LEDs

Multi-chip LEDs provide a very reliable solid state alternative to filament lamps. They consist of a standard filament lamp base incorporating a cluster of LED chips bonded on to a substrate with a current limiting resistor.

Their reliability is a particular advantage in environments subject to shock and vibration, or where it is impractical to replace the lamp. Multi-chip LEDs have a minimum life expectancy in excess of 60,000 hours (provided that the operating voltage and temperature are not increased above the stated values). They feature lower current consumption and lower heat generation than filament lamps.

OPT208

Telephone Slide, T5.5 with Integral Resistor

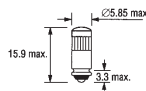


Design features and specifications are identical to Midget Groove (see below).

OPT226

Colour	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+ 250+
12V dc Red	15051250	654-449				
12V dc Green	15051251	654-450				
12V dc Yellow	15051252	654-462				
24V dc Red	15051350	654-474				
24V dc Green	15051351	654-486				
24V dc Yellow	15051352	654-498				

Midget Groove, T1¼ with Integral Resistor



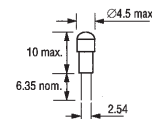
Centre contact anode (+)

Supply Voltage	12V	24V	28V
Luminous intensity (typ.)			
Red	36mcd	36mcd	36mcd
Green	90mcd	90mcd	90mcd
Yellow	63mcd	63mcd	63mcd
Forward Current	30mA	14mA	15mA
Wavelength (nm):	Red 635, Green 567, Yellow 585. No of LED chips: 6		
Viewing angle:	140°, operating temp. range -25°C to +60°C		

OPT322

Colour	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+ 250+
12V dc Red	15121250	654-681				
12V dc Green	15121251	654-693				
12V dc Yellow	15121252	654-700				
24V dc Red	15121350	654-711				
24V dc Green	15121351	654-723				
24V dc Yellow	15121352	654-735				
28V dc Red	15121450	654-747				
28V dc Green	15121451	654-759				
28V dc Yellow	15121452	654-760				

Bi-Pin, T1 (4.2mm Head) with Integral Resistor



Polarity indicated by (+)



These devices are fully potted to minimise the possibility of arcing within the narrow space housing the lead wires and resistor.

Supply voltage	12V	24V	28V
Luminous intensity (typ.)			
Red	26mcd	19mcd	19mcd
Green	59mcd	44mcd	44mcd
Yellow	43mcd	32mcd	32mcd
Forward current	16mA	12mA	12mA
Wavelength (nm):	Red 635, Green 567, Yellow 585		No. of LED chips 4
Viewing angle to half intensity	140°		Operating temp. range -25°C to +60°C

OTP324

Colour	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+ 250+
12V dc Red	15010250	654-358				
12V dc Green	15010251	654-360				
12V dc Yellow	15010252	654-371				
24V dc Red	15010350	654-383				
24V dc Green	15010351	654-395				
24V dc Yellow	15010352	654-401				
28V dc Red	15010450	654-413				
28V dc Green	15010451	654-425				
28V dc Yellow	15010452	654-437				

MES (E10)



Colour identified by coloured band.



Design features and specifications are identical to corresponding types in MBC/MCC (BA9s) range (see above).

CE approved.

OPT241

Colour	Mfrs. List No.	Order Code	Price Each		
			1+	10+	50+ 100+
6V ac Red	18330113	466-372			
6V ac Green	18330111	466-384			
6V ac Yellow	18330112	466-396			
12V ac/dc Red	18330250	466-402			
12V ac/dc Green	18330251	466-414			
12V ac/dc Yellow	18330252	466-426			
24V ac/dc Red	18330350	466-438			
24V ac/dc Green	18330351	466-440			
24V ac/dc Yellow	18330352	466-451			

Order Multiple=5

Removal Tool	Order Code	5+	10+	25+	50+
	301-1586				

continued