

Standard 3mm/T1 L=11.0, Bezel dia.=7.6 Mounting hole dia.=6.3 Max. panel thickness=6.3	Standard 5mm/T1¼ L=14.5, Bezel dia.=9.5 Mounting hole dia.=8.0 Max. panel thickness=5.5	Deep reflector 5mm/T1¼ L=17.1, Bezel dia.=10.0 Mounting hole dia.=8.0 Max. panel thickness=7.0
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Panel mounting LED holders for 2 lead 5mm/T1¼ and 3mm/T1¼ LEDs. The brass bodies have a polished chrome or black anodised finish. The LED is held in place by a screw-in nylon base 5mm/T1¼ or push fit base 3mm/T1 type.

The deep reflector types are fully recessed with a parabolic shroud which focuses the light output to give a strong directional signal.

The sealed versions give protection to IP66 featuring positive sealing of both LED/body and body/panel interfaces.

Mfrs. List No.	A104800AAB = 145-470	A105000 = 232-336
	A104800AAC = 254-976	A104700CHROME = 491-706
	A105000 = 232-312	A104700BLACK = 491-718
	A104800A = 232-324	

Type	Order Code	1+	100+	250+	500+	+
5mm/T1¼, Non Sealed						
Standard	145-470	112.00	99.00	80.00	37.00	--
Standard, Black	254-976	139.00	118.00	93.00	38.00	--
Deep Reflector	232-312	113.00	99.00	80.00	45.00	--
5mm/T1¼, Sealed						
Standard	232-324	244.00	206.00	158.00	69.00	--
Deep Reflector	232-336	196.00	168.00	140.00	--	--
5 Per Pack						
		Price Per Pack				
3mm/T1, Non-Sealed		1+	20+	50+	100+	+
Standard	491-706	650.00	543.00	440.00	192.00	--
Standard, Black	491-718	656.00	543.00	447.00	212.00	--

Assemblies, Clips, Rings, Housing



- A: 233-523: Prominent Bezel dia=9.5, Back of panel D=10, Dia=8
- B: 233-584 / 1175568: 9.0x6.35x6.35
- C: C: 233-547 (for HP 5mm/T1¼ LED) Clip O/D=8.00, Ring H=4.19, O/D=9.30, Mounting hole dia=6.35, Panel thickness=3.17 max
- D: 233-572: Clip O/D=5.9, Mounting hole dia.=4.75, Panel thickness=1.70 max.
- E: 323-524 Barrel: L=9.53 x ¼" - 40 UNS-2A Bezel: L=3.96, Dia=7.92, Mounting hole dia=6.35, Panel thickness=4.75 max

Panel Mounting Hardware
323-524 consists of a black plastic barrel assembly (with two holes spaced 2.54mm for 5mm/T1¼ LED leads), brass bezel (coloured black) and nut. The black plastic clips and rings provide front panel mounting for 5mm/T1¼ LED's. The one-piece clips provide prominent and recessed bezels for 5mm/T1¼ LEDs and prominent bezels for 3mm/T1 LEDs.

Right Angle Housing
Black plastic right angle housing suitable for HP and other 5mm/T1¼ high dome LEDs.

Mfrs. List No.	HLMP-5029 = 233-584 / 117-5568	HLMP-0103 = 857-6378
	CM4999-003 = 110-5126	

Colour	Order Code	1+	25+	50+	100+	+
5mm/T1¼ Barrel Assembly						
With black bezel	110-5126	259.00	229.00	201.00	115.00	--
5mm/T1¼ Clip and Ring						
T - ¼ Black Plastic	857-6378	11.00	10.00	10.00		

Colour	Pk Qty	Order Code	1+	10+	100+
Clips and Rings					
5mm/T1_3/4	50	110-5125	464.00	357.00	278.00
5mm/T1_3/4	50	120-8906	601.00	488.00	413.00
3mm/T1 & 5mm/T1¼ One-piece Clips					
3mm/T1	50	120-8877	451.00	372.00	226.00
5mm/T1_3/4	25	110-5123	414.00	311.00	240.00
5mm/T1_3/4	25	110-5124	414.00	311.00	240.00
5mm/T1¼ Right Angle Housing					
	25	117-5568	434.00	353.00	--

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/T1_3/4	6.35 ± 00.5	1.6 - 3.2	117-5492 to 117-5497
5mm/T1_3/4	6.35 ± 00.5	0.8 - 6.35	117-5500 to 117-5504
3mm/T1	4.34 ± 00.5	0.8 - 1.6	117-5498, 117-5499

Colour	Order Code	5+	25+	100+	500+	+
5mm/T1¼ Standard						
Red	117-5492	24.00	19.00	14.00	10.00	--
Amber	117-5494	24.00	19.00	14.00	10.00	--
	117-5495	24.00	19.00	14.00	10.00	--
Yellow	117-5496	24.00	19.00	14.00	10.00	--
Clear	117-5497	24.00	19.00	14.00	10.00	--
5mm/T1¼ Low Profile						
Red	117-5500	24.00	20.00	16.00	13.00	--
Amber	117-5501	24.00	20.00	16.00	13.00	--
	117-5502	24.00	20.00	16.00	13.00	--
Yellow	117-5503	24.00	20.00	16.00	13.00	--
Clear	117-5504	24.00	20.00	16.00	13.00	--
3mm/T1 Standard						
Red	117-5498	24.00	20.00	14.00	9.00	--
Clear	117-5499	23.00	18.00	14.00	9.00	--

Multi-Chip LEDs

Telephone Slide, T5.5 with Integral Resistor



Design features and specifications are identical to Midget Groove.

Colour	Mfrs. List No.	Order Code	1+	10+	50+	100+	+
12V dc Red	15051250	113-9590	296.00	240.00	181.00	170.00	--
12V dc Green	15051251	654-450	296.00	240.00	222.00	184.00	--
12V dc Yellow	15051252	654-462	296.00	240.00	222.00	181.00	--
24V dc Red	15051350	113-9592	293.00	243.00	234.00	170.00	--
24V dc Green	15051351	113-9591	296.00	240.00	181.00	170.00	--
24V dc Yellow	15051352	110-5144	296.00	240.00	192.00	181.00	--

Midget Groove, T1¼ with Integral Resistor



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

Colour	Mfrs. List No.	Order Code	1+	10+	50+	100+	+
12V dc Red	15121250	110-5134	238.00	223.00	210.00	158.00	--
12V dc Yellow	15121252	110-5135	238.00	223.00	182.00	168.00	--
12V dc Green	15121251	113-9581	238.00	223.00	182.00	158.00	--
24V dc Red	15121350	110-5136	238.00	223.00	182.00	158.00	--
24V dc Yellow	15121352	110-5138	238.00	223.00	210.00	158.00	--