

## Surface Mount – SOT23



Overall Dimensions  
H = 1.1, W = 2.5, L = 2.85

Colour	View Angle	Lum Intensity (mcd) @ I <sub>F</sub> = 10mA		I <sub>F</sub> (mA) max	PIV max	Mftrs. List No.	Order Code
		min	typ				
<b>Tinted Diffused Lens</b>							
Green	40°	0.63	0.4	23	6	TLMG2200	656-999
Yellow	40°	0.63	0.4	23	6	TLMY2200	657-001

OPT432

Order Multiple=5		Price Each				
Colour	Order Code	5+	25+	100+	250+	1K+
Green	656-999					
Yellow	657-001					

Order Multiple=5	Order Code	Price Each				
		5+	25+	100+	250+	1K+
Colour						
Red	322-027					
Red	322-039					
Red	322-040					
Deep Red	549-526					
HE Red	322-052					
Yellow	322-064					
Green	322-076					
Deep Red	549-538					
Red	322-106					
Red	322-118					
Green	481-830					
HE Red	885-836					
Yellow	885-850					

## Surface Mount – Subminiature



H = 2.9 (overall), W = 2.2, D = 2.2  
Leads = 0.51 0.20,  
Overall width across leads = 3.8



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Cathode lead identified by colour stripe. Supplied on 12mm tape (reel = 1500 pcs).

Colour	View Angle	Typ. Lum. Intensity (mcd)	I <sub>F</sub> (mA) (max)	PIV (max)	Mftrs. List No.	Order Code
<b>Tinted Diffused Lens</b>						
AlGaAs						
Red	90°	1.0 @ 10mA	50	3	HLMP6000-E0011	425-394
HE Red	90°	3.0 @ 10mA	30	5	HLMP6300-F0011	425-400
Yellow	90°	3.0 @ 10mA	20	5	HLMP6400-F0011	425-412
Green	90°	3.0 @ 10mA	30	5	HLMP6500-F0011	425-424

OPT236

Order Multiple=5		Price Each				
Colour	Order Code	5+	25+	100+	250+	1K+
AlGaAs						
Red	425-394					
HE Red	425-400					
Yellow	425-412					
Green	425-424					

## Flat Top Light Emitting Diodes (LEDs)

### 2mm, Flat Top



Cathode identified by shorter lead.



547 Series: Body H = 5.0, W = 2.8, D = 4.0  
Head L = 1.95, Dia. = 2.0  
Lead pitch = 2.54, Leads = 27 0.5sq

Colour	View Angle	Typ. Lum. Intensity (mcd)	I <sub>F</sub> (mA) (max)	PIV (max)	Order Code
<b>Tinted Diffused Lens</b>					
HE Red	140°	20 @ 10mA	30	5	547-384
Yellow	140°	8.0 @ 10mA	30	5	547-396
Green	140°	8.0 @ 10mA	25	5	547-402

<b>Low Current — Tinted Diffused Lens</b>					
HE Red	140°	2.0 @ 2mA	—	5	547-414

OTP90

Order Multiple=5		Price Each			
Colour	Order Code	5+	100+	1K+	5K+
HE Red	547-384				
Yellow	547-396				
Green	547-402				
HE Red	547-414				

## Surface Mount - Subminiature - Full Reel Option

Full reel options of the above subminiature surface mount LEDs

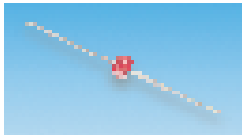


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OPT714

Colour	Reel Size	Mftrs List No.	Order Code	Price Each			
				1+	2+	3+	5+
AlGaAs Red	1500	HLMP-6000-E0011	322-5069				
HE Red	1500	HLMP-6300-F0011	322-5070				
Yellow	1500	HLMP-6400-F0011	322-5082				
Green	1500	HLMP-6500-F0011	322-5094				

## Subminiature



H = 2.90  
W = 2.2, D = 2.2  
Leads: L = 11.4, 0.5 0.2



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Cathode identified by metallic strip on body.

Colour	View Angle	Typ. Lum. Intensity (mcd)	I <sub>F</sub> (mA) (max)	PIV (max)	Mftrs. List No.	Order Code
<b>Tinted Diffused Lens</b>						
Red	90°	1.2 @ 10mA	50	3	HLMP6000	322-027
Red	90°	3.2 @ 10mA	50	3	HLMP6001	322-039
Red	90°	45 @ 20mA	20	5	HLMP-Q101	322-040
Deep Red	35°	160 @ 20mA	30	5	HLMP-Q102	549-526
HE Red	90°	3.0 @ 10mA	30	5	HLMP6300	322-052
Yellow	90°	3.0 @ 10mA	20	5	HLMP6400	322-064
Green	90°	3.0 @ 10mA	30	5	HLMP6500	322-076

<b>Untinted Non-Diffused</b>						
Deep Red	15°	530 @ 20mA	30	5	HLMP-Q106	549-538

<b>Low Current – Tinted Diffused Lens</b>						
Red	90°	1.8 @ 1mA	20	5	HLMP-Q150	322-106
Red	90°	0.8 @ 2mA	7	5	HLMP7000	322-118
Green	90°	0.6 @ 2mA	30	5	HLMP7040	481-830

<b>Resistored, 5 Volt – Untinted Diffused</b>						
HE Red	90°	2.0 @ 5V	5	5	HLMP-6620	885-836
Yellow	90°	2.0 @ 5V	5	5	HLMP-6720	885-850

◆ High Brightness

OPT89

### 2mm, Flat Top



Body H = 8.0, W = 4.8, D = 2.5  
Head L = 4.5, Dia. = 2.0  
Lead pitch = 2.54, Leads = 27 0.5sq



Cathode identified by shorter lead.

Colour	View Angle	Typ. Lum. Intensity (mcd)	I <sub>F</sub> (mA) (max.)	PIV (max.)	Order Code
<b>Tinted Diffused Lens</b>					
Red	140°	2.0 @ 10mA	25	5	557-950
Green	140°	12.5 @ 10mA	25	5	557-961
Yellow	140°	12.5 @ 10mA	30	5	557-973

OTP91

Order Multiple=5		Price Each			
Colour	Order Code	5+	50+	100+	500+
Red	557-950				
Green	557-961				
Yellow	557-973				

### 3mm, Flat Top



L = 6.0, Dia. = 4.0  
Lead pitch = 2.54, Leads = 25.5 0.5sq  
Cathode identified by shorter lead.



Colour	View Angle	Lum. Intensity (mcd) @ I <sub>F</sub> = 10mA		I <sub>F</sub> (mA) (max.)	PIV (max.)	Order Code
		min.	typ.			
<b>Tinted Diffused Lens</b>						
Red	100°	0.5	3.2	25	5	621-249
HE Red	100°	3.2	12.5	30	5	621-250
Green	100°	1.3	8.0	25	5	621-262
Yellow	100°	1.3	8.0	30	5	621-274
Orange	100°	3.2	12.5	30	5	621-286

OPT344

Order Multiple=5		Price Each				
Colour	Order Code	5+	50+	100+	500+	1K+
Red	621-249					
HE Red	621-250					
Green	621-262					
Yellow	621-274					
Orange	621-286					

continued