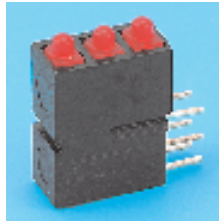


Colour	View Angle	Typ. Lum Intensity (mcd) @ I _F = 7mA	PIV (max)	Mftrs. List No	Order Code
Red	44°	4.4	3	101-205-20	744-773
Green	44°	4.4	3	101-214-20	744-785
Yellow	44°	4.4	3	101-211-20	744-797

OPT439

Colour	Order Code	Price Each			
		1+	25+	100+	250+ 500+
Red 5V	744-773				
Green 5V	744-785				
Yellow 5V	744-797				
Tie Bar	744-761				

Subminiature Tri Level



A miniature triple LED module, with matched 2mm LEDs.

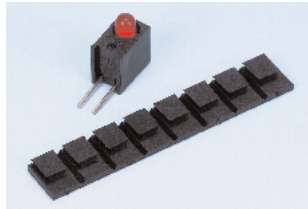
Dimensions: H = 10.16, W = 5.08, L = 2.5
Front view right leg anode

Colour	View Angle	mcd	V _f @20mA	I _{max}
Red	35°	3.2	2	25
Yellow	35°	12.5	2.1	30
Green	35°	12.5	2.2	25

OPT694

Colour	Mftrs. List No.	Order Code	Price Each			
			1+	25+	100+	250+ 500+
Red/Yellow/Green	1905.8720	324-5329				
Red/Red/Red	1905.2220	324-5330				

3mm/T1 Standard and Low Current



Viewed from front, pins downward, anode is left pin.
A 10 way tie bar is available separately enabling the LEDs to be accurately mounted as arrays.

3mm - H = 8.3 (body), W = 4.6, D = 6.3 (body)
Lead pitch = 2.54, Leads = 5.0 0.5sq.

Colour	View Angle	Lum. Intensity (mcd) @ I _F = 20mA (typ.)	I _F (max)	V _F (typ)	PIV (max)	Mftrs. List No.	Order Code
Red	30°	35	30	2.2	5	113-305-04	994-170
Yellow	30°	20	30	2.2	5	113-311-04	994-182
Green	30°	20	25	2.2	5	113-314-04	994-194

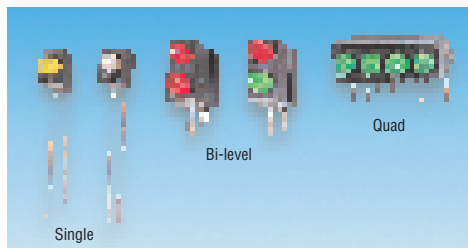
Low Current							
Red	30°	3.5*	-	1.9	5	113-305-01	994-200
Yellow	30°	2.0*	-	1.9	5	113-311-01	994-212
Green	30°	2.0*	-	1.9	5	113-314-01	994-224

* = I_F @ 2mA

OPT571

Colour	Order Code	Price Each			
		5+	100+	250+	500+
Red	994-170				
Yellow	994-182				
Green	994-194				
Low Current					
Red	994-200				
Yellow	994-212				
Green	994-224				
Tie Bar	138-782	5+	100+	250+	

3mm/T1 Single, Bi-colour, Bi-level and Quad



Single	Bi-level	Quad
H = 6.2, W = 4.0, D (body) = 5.2 Lead pitch = 2.54 Leads = 21 0.5sq.	H = 10.16, W = 5.08, D (body) = 10 Lead pitch = 2.54 2.54 Leads = 3.75 0.5sq.	H = 6.7, W = 17.6, D (body) = 9.3 Lead pitch = 2.54 LED pitch = 4.4 Leads = 5.0 0.5sq.

Viewed from front, pins downward, anode is left hand pin on single (red bi-colour) and quad types, right hand pin on bi-level types.

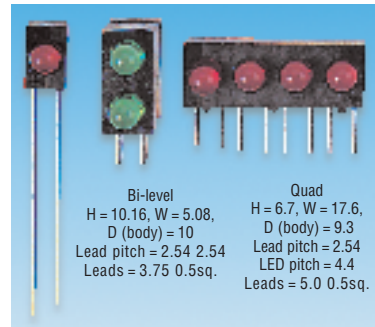
Colour	View Angle	Typ. Lum. Intensity (mcd)	Mftrs. List No.	Order Code
Single				
Red	30°	35 @ 20mA	103-305-04	264-362
Yellow	30°	20 @ 20mA	103-311-04	264-374
Green	30°	20 @ 20mA	103-314-04	264-386
Single Bi-colour				
Red/Green	50°	25/25 @ 20mA	103-330-04	264-398
Bi-level				
Red over Red	30°	35 @ 20mA	122-305-04	264-404
Green over Green	30°	20 @ 20mA	122-314-04	264-428
Red over Green	30°	35/20 @ 20mA	122-000-04-52	264-430
Quad				
Red 4	30°	35 @ 20mA	107-305-04	264-441
Green 4	30°	20 @ 20mA	107-314-04	264-453

IF (max) = 25mA (all types). PIV = 3.0V (max) (all types).

OPT232

Order Multiple=5	Colour(s)	Order Code	Price Each			
			5+	50+	100+	500+
	Red	264-362				
	Yellow	264-374				
	Green	264-386				
Order Multiple=1			1+	50+	100+	500+
	Red/Green	264-398				
	Red over Red	264-404				
	Green over Green	264-428				
	Red over Green	264-430				
	Red 4	264-441				
	Green 4	264-453				

3mm/T1 Low Current Single, Bi-level and Quad



Single	Bi-level	Quad
H = 6.2, W = 4.0, D (body) = 5.2 Lead pitch = 2.54 Leads = 21 0.5sq.	H = 10.16, W = 5.08, D (body) = 10 Lead pitch = 2.54 2.54 Leads = 3.75 0.5sq.	H = 6.7, W = 17.6, D (body) = 9.3 Lead pitch = 2.54 LED pitch = 4.4 Leads = 5.0 0.5sq.

Colour	View Angle	Typ. Lum. Intensity (mcd)	I _F (mA) max.	Mftrs. List No.	Order Code
Single					
Red	30°	1.5	2.0	103-305-01	637-622
Yellow	30°	1.5	2.0	103-311-01	637-634
Green	30°	2.0	2.0	103-314-01	637-646
Bi-level					
Red	30°	1.5	2.0	122-305-01	637-658
Yellow	30°	1.5	2.0	122-311-01	637-660
Green	30°	2.0	2.0	122-314-01	637-671
Quad					
Red 4	30°	1.5	2.0	107-305-01	637-683
Yellow 4	30°	1.5	2.0	107-311-01	637-695
Green 4	30°	2.0	2.0	107-314-01	637-701
Red/Gn./Red/Gn.	30°	1.5/2.0	2.0	107-000-01-50	637-713

OPT309

Colour	Order Code	Price Each			
		1+	25+	100+	250+ 500+
Single					
Red	.637-622				
Yellow	.637-634				
Green	.637-646				
Bi-level					
Red	.637-658				
Yellow	.637-660				
Green	.637-671				
Quad					
Red 4	.637-683				
Yellow 4	.637-695				
Green 4	.637-701				
Red/Gn./Red/Gn.	.637-713				

continued