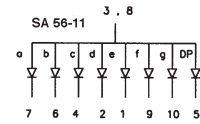
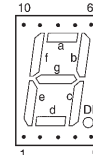


OPT22

Format	CA/CC	Mftrs. List No.	Order Code	1+	100+	1K+
<b>Red</b>						
.8	Anode	MAN72A	232-555			
.8	Anode	MAN71A	232-567			
.8	Cathode	MAN74A	232-579			
<b>HE Red</b>						
.8	Anode	MAN3920A	232-592			
.8	Cathode	MAN3940A	232-609			
<b>Green</b>						
.8	Anode	MAN3420A	232-610			
.8	Cathode	MAN3440A	232-622			

### 14.2mm (0.56")



Best value

H = 19.05, W = 12.50, D = 8.0  
Pin spacing = 2.54  
Row spacing = 15.24

Colour	CA/CC	Format	Lum Intensity/Seg. @ I <sub>F</sub> = 10mA		Typ. V <sub>F</sub> @ 20mA	V <sub>R</sub>	Order Code
			min	max			
HE Red	Anode	.8	2.2	5.6	2.0	5	622-199
HE Red	Cathode	.8	2.2	5.6	2.0	5	622-205
Ultra Red	Anode	.8	5.6	21.0	1.85	5	622-217
Ultra Red	Cathode	.8	5.6	21.0	1.85	5	622-229
Yellow	Anode	.8	2.2	5.6	2.1	5	622-230
Yellow	Cathode	.8	2.2	5.6	2.1	5	622-242
Green	Anode	.8	2.2	5.6	2.2	5	622-254
Green	Cathode	.8	2.2	5.6	2.2	5	622-266

### 12.7mm (0.5")



### LED TECHNOLOGY

H = 19.0, W = 12.7, D = 8.0  
Pin spacing = 2.54  
Row spacing = 15.24

\*Internally connected

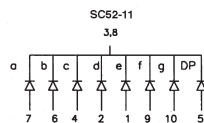
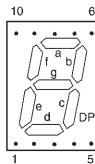
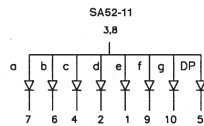
Colour	CA/CC	Format	Typ. Luminous Intensity/Segment @ I <sub>F</sub> (mA)		Typ. V <sub>F</sub> @ 20mA	V <sub>R</sub>	Mftrs. List No.	Order Code
			mcd	@ I <sub>F</sub> (mA)				
Red	Anode	.8	2.2	20	2.1	5.0	D50A05BW111	472-300
Red	Cathode	.8	2.2	20	2.1	5.0	D50C05GW111	472-311
HE Red	Anode	.8	5.5	20	2.1	5.0	D50A04GW111	177-998
HE Red	Cathode	.8	5.5	20	2.1	5.0	D50C04GW111	177-999

Format	CA/CC	Order Code	Price Each				
			1+	10+	25+	100+	500+
<b>Red</b>							
.8	Anode	472-300					
.8	Cathode	472-311					
<b>HE Red</b>							
.8	Anode	177-998					
.8	Cathode	177-999					

### 13.2mm (0.52")



H = 17.55, W = 12.40, D = 7.00  
Pin spacing = 2.54  
Row spacing = 15.24



Best value

Colour	CA/CC	Format	Lum Intensity/Seg. @ I <sub>F</sub> = 10mA		Typ. V <sub>F</sub> @ 20mA	V <sub>R</sub>	Order Code
			min	max			
HE Red	Anode	.8	2.2	5.6	2.0	5	622-114
HE Red	Cathode	.8	2.2	5.6	2.0	5	622-126
Ultra Red	Anode	.8	5.6	21.0	1.85	5	622-138
Ultra Red	Cathode	.8	5.6	21.0	1.85	5	622-140
Yellow	Anode	.8	2.2	5.6	2.1	5	622-151
Yellow	Cathode	.8	2.2	5.6	2.1	5	622-163
Green	Anode	.8	2.2	5.6	2.2	5	622-175
Green	Cathode	.8	2.2	5.6	2.2	5	622-187

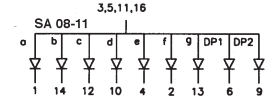
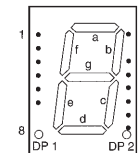
OPT352

Format	CA/CC	Order Code	Price Each				
			1+	25+	100+	500+	1K+
<b>HE Red</b>							
.8	Anode	622-114					
.8	Cathode	622-126					
<b>Ultra Red</b>							
.8	Anode	622-138					
.8	Cathode	622-140					
<b>Yellow</b>							
.8	Anode	622-151					
.8	Cathode	622-163					
<b>Green</b>							
.8	Anode	622-175					
.8	Cathode	622-187					

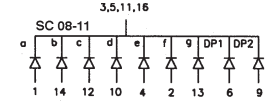
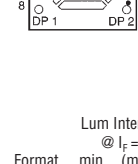
### 20.3mm (0.8")



Best value



H = 27.7, W = 20.0, D = 8.4  
Pin spacing = 2.54  
Row spacing = 15.24



Colour	CA/CC	Format	Lum Intensity/Seg. @ I <sub>F</sub> = 10mA		Typ. V <sub>F</sub> @ 20mA	V <sub>R</sub>	Order Code
			min	max			
HE Red	Anode	.8	2.2	9.0	2.0	5	622-278
HE Red	Cathode	.8	2.2	9.0	2.0	5	622-280
Ultra Red	Anode	.8	9.0	21.0	1.85	5	622-291
Ultra Red	Cathode	.8	9.0	21.0	1.85	5	622-308
Yellow	Anode	.8	1.4	3.6	2.1	5	622-310
Yellow	Cathode	.8	1.4	3.6	2.1	5	622-321
Green	Anode	.8	1.4	3.6	2.2	5	622-333
Green	Cathode	.8	1.4	3.6	2.2	5	622-345

OPT349

Format	CA/CC	Order Code	Price Each				
			1+	50+	100+	500+	1K+
<b>HE Red</b>							
.8	Anode	622-278					
.8	Cathode	622-280					
<b>Ultra Red</b>							
.8	Anode	622-291					
.8	Cathode	622-308					
<b>Yellow</b>							
.8	Anode	622-310					
.8	Cathode	622-321					
<b>Green</b>							
.8	Anode	622-333					
.8	Cathode	622-345					

continued