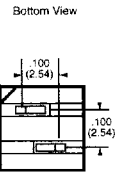
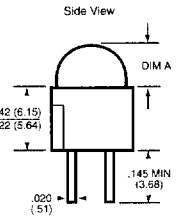
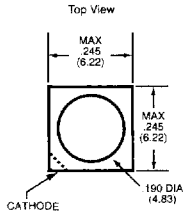
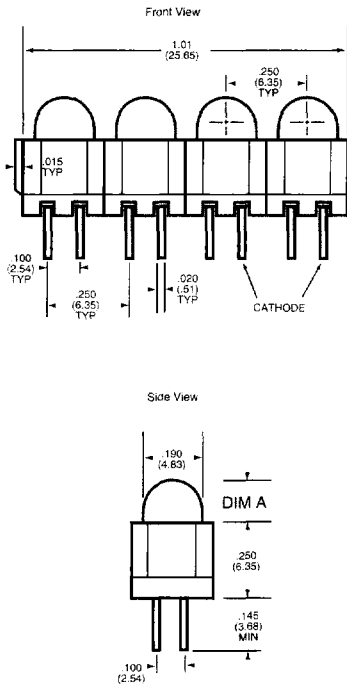


T-1 3/4 (5 mm)										
Part Number	Source Color	Wave-length λ_p (nm)	Lens Color	Typical Viewing Angle	I_F (mA) for MR Parts		Luminous Intensity I_V (mcd)		Notes	
					V_F (V) typ	max	min	typ		
MV60538.MP5		660	Red Diffused	65°	1.7	2.0	0.8	2.0	4, 11	
MV63538.MP5	Yellow	585	Yellow Diffused	65°	2.1	3.0	2.5	18	4, 11	
MV64538.MP5		565	Green Diffused	65°	2.2	3.0	1.6	25	4, 11	
MV67538.MP5		635	Red Diffused	65°	2.1	3.0	3.0	14	4, 11	
MV60539.MP5		660	Red Diffused	65°	1.7	2.0	0.8	2.0	4, 12	
MV63539.MP5	Yellow	585	Yellow Diffused	65°	2.1	3.0	2.5	18	4, 12	
MV64539.MP5		565	Green Diffused	65°	2.2	3.0	1.6	25	4, 12	
MV67539.MP5		635	Red Diffused	65°	2.1	3.0	3.0	14	4, 12	
HLMP-47009.MP5		635	Red Diffused	45°	1.8	2.2	1.2	2.0	2, 12	
HLMP-47199.MP5	Yellow	585	Yellow Diffused	45°	1.9	2.7	1.2	10	2, 12	
HLMP-47409.MP5		565	Green Diffused	45°	1.9	2.3	1.2	2.0	2, 12	
HLMP-D1019.MP5		660	Red Diffused	65°	1.8	2.2	35	70.0	4, 12	
HLMP-D1509.MP5			Red Clear	24°	1.6	1.8	1.2	3.0	1, 12	
MV33509.MP5	Yellow	585	Yellow Clear	24°	2.2	3.0	80	150	4, 12	
MV34509.MP5		565	Green Clear	24°	2.2	3.0	80	150	4, 12	
MV37509.MP5		635	Orange Clear	24°	2.2	3.0	80	150	4, 12	
MR30509.MP5		660	Red Diffused	60°	13	20	1.0	2.0	8,12,15	
MR30519.MP5				60°	13	20	1.0	2.0	9,12,15	
MR33509.MP5	Yellow	585	Yellow Diffused	60°	10	15	1.5	4.0	8,12,15	
MR33519.MP5				60°	13	20	1.5	4.0	9,12,15	
MR34509.MP5		565	Green Diffused	60°	12	15	1.5	4.0	8,12,15	
MR34519.MP5				60°	12	20	1.5	4.0	9,12,15	
MR37509.MP5		635	Red Diffused	60°	10	15	1.5	4.0	8,12,15	
MR37519.MP5				60°	13	20	1.5	4.0	9,12,15	
MV54919.MP5		660 / 565	White Diffused	100°	2.1	3.0	2.0	6.0	4,12,13,14	



T-1 3/4 (5 mm) Multiple									
Part Number	Source Color	Wave-length λ_p (nm)	Lens Color	Typical Viewing Angle	I_F (mA) for MR Parts		Luminous Intensity I_V (mcd)		Notes
					V_F (V) typ	V_F (V) max	min	typ	
MV60538.MP8		660	Red Diffused	65°	1.7	2.0	0.8	2.0	4, 17
MV63538.MP8	Yellow	585	Yellow Diffused	65°	2.1	3.0	3.5	18	4, 17
MV64538.MP8		565	Green Diffused	65°	2.2	3.0	16	25	4, 17
MV67538.MP8		635	Red Diffused	65°	2.1	3.0	3.0	14	4, 17
MV60539.MP8		660	Red Diffused	65°	1.7	2.0	0.8	2.8	4, 18
MV63539.MP8	Yellow	585	Yellow Diffused	65°	2.1	3.0	2.5	18	4, 18
MV64539.MP8		565	Green Diffused	65°	2.2	3.0	16	25	4, 18
MV67539.MP8		635	Red Diffused	65°	2.1	3.0	3	14	4, 18
HLMP-47009.MP8		635	Red Diffused	45°	1.8	2.2	1.2	2.0	2, 18
HLMP-47199.MP8	Yellow	585	Yellow Diffused	45°	1.9	2.7	1.2	10	2, 18
HLMP-47409.MP8		565	Green Diffused	45°	1.9	2.3	1.2	2.0	2, 18
MV33509.MP8	Yellow	585	Yellow Clear	24°	2.2	3.0	80	150	4, 18
MV34509.MP8		565	Green Clear	24°	2.2	3.0	80	150	4, 18
MV37509.MP8		635	Orange Clear	24°	2.2	3.0	80	150	4, 18
MR30509.MP8		660	Red Diffused	60°	12	20	1.0	2.0	8,15,18
MR30519.MP8				60°	12	20	1.0	2.0	9,15,18
MR33509.MP8	Yellow	585	Yellow Diffused	60°	10	15	1.5	4.0	8,15,18
MR33519.MP8				60°	13	20	1.5	4.0	9,15,18
MR34509.MP8		565	Green Diffused	60°	12	15	1.5	4.0	8,15,18
MR34519.MP8				60°	13	20	1.5	4.0	9,15,18
MR37509.MP8		635	Red Diffused	60°	10	15	1.5	4.0	8,15,18
MR37519.MP8				60°	13	20	1.5	4.0	9,15,18
MV54919.MP8		660 / 565	White Diffused	100°	2.1	3.0	2.0	6.0	4,13,14,18



Notes

- V_F & I_V @ $I_F = 1$ mA
- V_F & I_V @ $I_F = 2$ mA
- V_F & I_V @ $I_F = 20$ mA
- I_F & I_V @ $V_F = 5$ V
- I_F & I_V @ $V_F = 12$ V
- Dim A = 0.125 (3.18)
- Dim A = 0.180 (4.57)
- Integral Resistor
- Dim A = 0.140 (3.56)
- Dim A = 0.195 (4.95)
- HER = High Efficiency Red
- Red = Bright Red