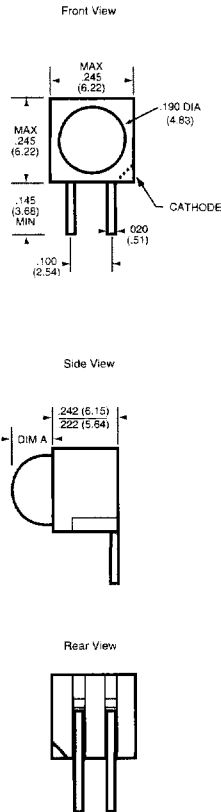
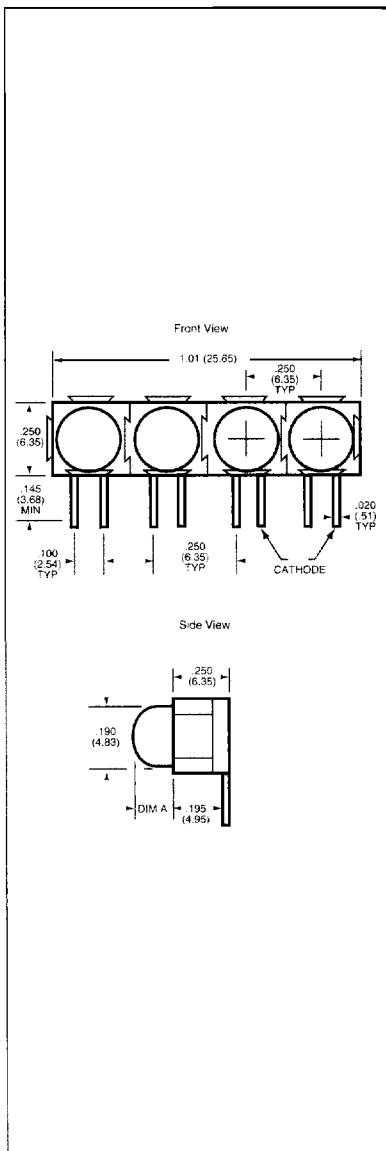


## PCB AND PANEL MOUNT LED INDICATORS

T-1 3/4 (5 mm)										
Part Number	Source Color	Wave-length $\lambda_p$ (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.MP6		660	Red Diffused	55°	1.7	2.0	0.8	2.0	4, 11	
MV63538.MP6	Yellow	585	Yellow Diffused	65°	2.1	3.0	2.5	18	4, 11	
MV64538.MP6		565	Green Diffused	65°	2.2	3.0	1.6	25	4, 11	
MV67538.MP6		635	Red Diffused	65°	2.1	3.0	3.0	14	4, 11	
MV60539.MP6		660	Red Diffused	65°	1.7	2.0	0.8	2.0	4, 12	
MV63539.MP6	Yellow	585	Yellow Diffused	65°	2.1	3.0	2.5	18	4, 12	
MV64539.MP6		565	Green Diffused	65°	2.2	3.0	1.8	25	4, 12	
MV67539.MP6		635	Red Diffused	65°	2.1	3.0	3.0	14	4, 12	
HLMP-47009.MP6		635	Red Diffused	45°	1.8	2.2	1.2	2.0	2, 12	
HLMP-47199.MP6	Yellow	585	Yellow Diffused	45°	1.9	2.7	1.2	10	2, 12	
HLMP-47409.MP6		565	Green Diffused	45°	1.9	2.3	1.2	3.0	2, 12	
HLMP-D1019.MP6		660	Red Diffused	65°	1.8	2.2	35	70.0	4, 12	
HLMP-D1509.MP6			Red Clear	24°	1.6	1.8	1.8	3.0	1, 12	
MV33509.MP6	Yellow	585	Yellow Clear	24°	2.2	3.0	80	150	4, 12	
MV34509.MP6		565	Green Clear	24°	2.2	3.0	80	150	4, 12	
MV37509.MP6		635	Orange Clear	24°	2.2	3.0	80	150	4, 12	
MR30509.MP6		660	Red Diffused	60°	12	20	1.0	2.0	8,12,15	
MR30519.MP6				60°	13	20	1.0	2.0	9,12,15	
MR33509.MP6	Yellow	585	Yellow Diffused	60°	10	15	1.5	4.0	8,12,15	
MR33519.MP6				60°	13	20	1.5	4.0	9,12,15	
MR34509.MP6		565	Green Diffused	60°	12	15	1.5	4.0	8,12,15	
MR34519.MP6				60°	13	20	1.5	4.0	9,12,15	
MR37509.MP6		635	Red Diffused	60°	10	15	1.5	4.0	8,12,15	
MR37519.MP6				60°	13	20	1.5	4.0	9,12,15	
MV54919.MP6		660 / 565	White Diffused	100°	2.1	3.0	2.0	6.0	6,12,13,14	





T: 3/4 (5 mm) Multiple										
Part Number	Source Color	Wave-length $\lambda_p$ (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.MP8A		660	Red Diffused	65°	1.7	2.0	0.8	2.0	4, 17	
MV63538.MP8A	Yellow	585	Yellow Diffused	65°	2.1	3.0	3.5	18	4, 17	
MV64538.MP8A		565	Green Diffused	65°	2.2	3.0	16	25	4, 17	
MV67538.MP8A		635	Red Diffused	65°	2.1	3.0	3.0	14	4, 17	
MV60539.MP8A		660	Red Diffused	65°	1.7	2.0	0.8	2.0	4, 18	
MV63539.MP8A	Yellow	585	Yellow Diffused	65°	2.1	3.0	2.5	18	4, 18	
MV64539.MP8A		565	Green Diffused	65°	2.2	3.0	16	25	4, 18	
MV67539.MP8A		635	Red Diffused	65°	2.1	3.0	3	14	4, 18	
HLMP-47009.MP8A		635	Red Diffused	45°	1.8	2.2	1.2	2.0	2, 18	
HLMP-47199.MP8A	Yellow	585	Yellow Diffused	45°	1.9	2.7	1.2	10	2, 18	
HLMP-47409.MP8A		565	Green Diffused	45°	1.9	2.3	1.2	2.0	2, 18	
MV33509.MP8A	Yellow	585	Yellow Clear	24°	2.2	3.0	80	150	4, 18	
MV34509.MP8A		565	Green Clear	24°	2.2	3.0	80	150	4, 18	
MV37509.MP8A		635	Orange Clear	24°	2.2	3.0	80	150	4, 18	
MR30509.MP8A		660	Red Diffused	60°	12	20	1.0	2.0	8,15,18	
MR30519.MP8A				60°	13	20	1.0	2.0	9,15,18	
MR33509.MP8A	Yellow	585	Yellow Diffused	60°	10	15	1.5	4.0	8,15,18	
MR33519.MP8A				60°	13	20	1.5	4.0	9,15,18	
MR34509.MP8A		565	Green Diffused	60°	12	15	1.5	4.0	8,15,18	
MR34519.MP8A				60°	13	20	1.5	4.0	9,15,18	
MR37509.MP8A		635	Red Diffused	60°	12	15	1.5	4.0	8,15,18	
MR37519.MP8A				60°	13	20	1.5	4.0	9,15,18	
MV54919.MP8A		660 / 565	White Diffused	100°	2.1	3.0	2.0	6.0	4,13,14,18	

### Notes

- 2.  $V_F$  &  $I_V$  @  $I_F = 2$  mA
- 4.  $V_F$  &  $I_V$  @  $I_F = 20$  mA
- 8.  $I_F$  &  $I_V$  @  $V_F = 5$  V
- 9.  $I_F$  &  $I_V$  @  $V_F = 12$  V
- 11. Dim A = 0.125 (3.18)
- 15. Integral Resistor
- 16. Dim A = 0.183 (4.65)
- 17. Dim A = 0.140 (3.56)
- 18. Dim A = 0.195 (4.95)  
HER = High Efficiency Red