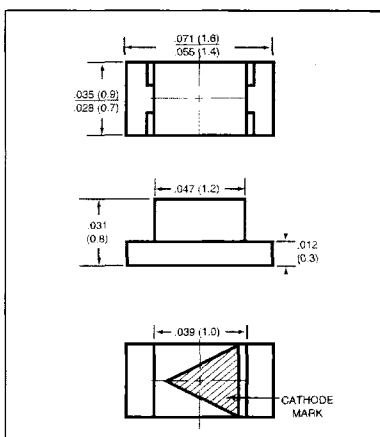
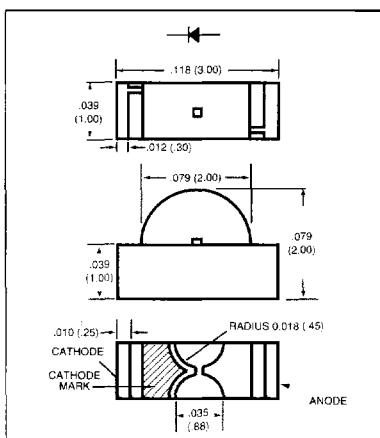


SURFACE MOUNT LED LAMPS



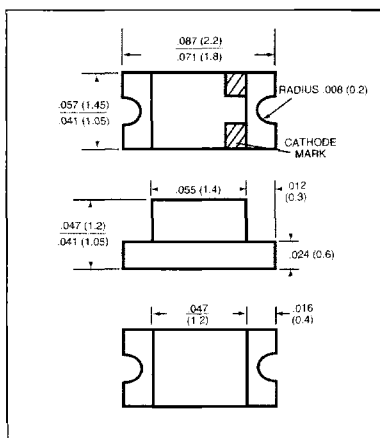
0603 Package

Part Number	Source Color	Wave-length λ_p (nm)	Lens Color	Typical Viewing Angle	Forward Voltage V_F (V) typ max	Luminous Intensity I_V (mcd) min typ	Notes
QTLP600C-2		635	Water Clear	100°	2.0 2.8	5.0 9.0	4
QTLP600C-3	Yellow	585	Water Clear	100°	2.0 2.8	5.0 9.0	4
QTLP600C-4		565	Water Clear	100°	2.0 2.8	9.0 18	4
QTLP600C-7		660	Water Clear	100°	2.0 2.4	7.0 12	4



Right Angle (Side Looker)

Part Number	Source Color	Wave-length λ_p (nm)	Lens Color	Typical Viewing Angle	Forward Voltage V_F (V) typ max	Luminous Intensity I_V (mcd) min typ	Notes
QTLP610C-2		635	Water Clear	140°	2.0 2.8	3 5	4
QTLP610C-3	Yellow	585	Water Clear	140°	2.0 2.8	1.5 3.0	4
QTLP610C-4		565	Water Clear	140°	2.1 2.8	4.0 8.0	4
QTLP610C-7		660	Water Clear	140°	1.7 2.4	6.0 12	4



0805 Package

Part Number	Source Color	Wave-length λ_p (nm)	Lens Color	Typical Viewing Angle	Forward Voltage V_F (V) typ max	Luminous Intensity I_V (mcd) min typ	Notes
QTLP630C-2		635	Water Clear	140°	2.0 2.8	4.5 13	4
QTLP630C-3	Yellow	585	Water Clear	140°	2.0 2.8	5 12	4
QTLP630C-4		565	Water Clear	140°	2.1 2.8	10 35	4
QTLP630C-7		660	Water Clear	140°	1.7 2.4	10 45	4

Notes

4. V_F & I_V @ $I_F = 20$ mA
HER = High Efficiency Red

1206 Package										
Part Number	Source Color	Wave-length λ_p (nm)	Lens Color	Typical Viewing Angle	Forward Voltage V_F (V)		Luminous Intensity I_V (mcd)		Notes	
					typ	max	min	typ		
QTLP650C-2		635	Water Clear	140°	2.0	2.8	3.6	6.0	4	
QTLP650D-2			Red Diffused	160°	2.0	2.8	2.4	4.0	4	
QTLP650C-3	Yellow	585	Water Clear	140°	2.0	2.8	3.6	6.0	4	
QTLP650D-3			Yellow Diffused	160°	2.0	2.8	2.4	4.0	4	
QTLP650C-4		565	Water Clear	140°	2.0	2.8	6.0	10.0	4	
QTLP650D-4			Green Diffused	160°	2.0	2.8	4.0	6.5	4	
QTLP650C-5		555	Water Clear	140°	2.1	2.8	1.5	3.6	4	
QTLP650C-7		660	Water Clear	140°	1.7	2.4	9.0	15	4	
QTLP650D-7			Red Diffused	160°	1.7	2.4	4.0	7.0	4	
QTLP650C-8		610	Water Clear	140°	2.0	2.8	3.2	6.5	4	

1210 Package - Bicolor										
Part Number	Source Color	Wave-length λ_p (nm)	Lens Color	Typical Viewing Angle	Forward Voltage V_F (V)		Luminous Intensity I_V (mcd)		Notes	
					typ	max	min	typ		
QTLP650C-23	Yellow	635	Water Clear	140°	2.0	2.8	2.4	4.0	4	
		585			2.0	2.8	4.0	6.5	4	
QTLP650C-24		635	Water Clear	140°	2.0	2.8	2.4	4.0	4	
		565			2.0	2.8	4.0	6.5	4	
QTLP650C-34	Yellow	565	Water Clear	140°	2.0	2.8	4.0	6.5	4	
		585			2.0	2.8	4.0	6.5	4	
QTLP650C-74		660	Water Clear	140°	2.0	2.4	9.0	15	4	
		565			2.0	2.8	4.0	6.5	4	