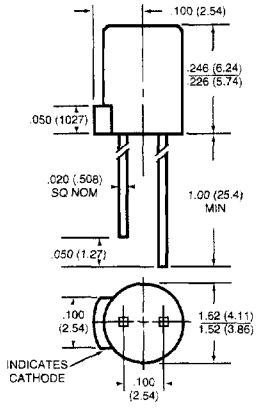
QT OPTOELECTRONICS

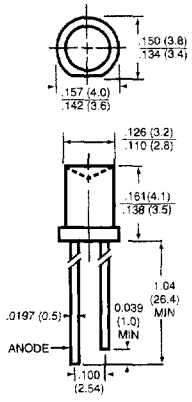
RECTANGULAR & UNIQUELY SHAPED LED LAMPS

4 mm Flat Top



Part Number	Source Color	Wave-length λp (nm)	Lens Color	Typical Viewing Angle	Forward Voltage V_F(V) typ	Forward Voltage V_F(V) max	Luminous Intensity I_V(mcd) min	Luminous Intensity I_V(mcd) typ	Notes
HLMP-M200		635	Red Diffused	135°	2.2	3.0	3.4	5.0	4
HLMP-M201		635	Red Diffused	135°	2.2	3.0	5.4	7.0	4
HLMP-M250		635	Red Clear	80°	2.2	3.0	3.4	5.0	5
HLMP-M251		635	Red Clear	80°	2.2	3.0	5.4	7.0	5
HLMP-M500		565	Green Diffused	135°	2.3	3.0	4.2	7.0	4
HLMP-M501		565	Green Diffused	135°	2.3	3.0	6.7	10.0	4
HLMP-M550		565	Green Clear	80°	2.3	3.0	4.2	10.0	5
HLMP-M551		565	Green Clear	80°	2.3	3.0	6.7	16.0	5
HLMP-M300	Yellow	585	Yellow Diffused	135°	2.2	3.0	3.6	5.0	4
HLMP-M301		585	Yellow Diffused	135°	2.2	3.0	5.7	7.0	4
HLMP-M350		585	Yellow Clear	80°	2.2	3.0	3.6	5.0	5
HLMP-M351		585	Yellow Clear	80°	2.2	3.0	5.7	7.0	5

T-100 Inverted Cone

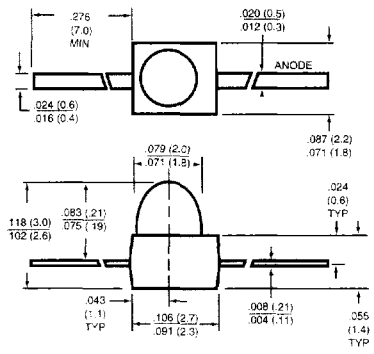


Part Number	Source Color	Wave-length λp (nm)	Lens Color	Typical Viewing Angle	Forward Voltage V_F(V) typ	Forward Voltage V_F(V) max	Luminous Intensity I_V(mcd) min	Luminous Intensity I_V(mcd) typ	Notes
QL484ET		635	Orange Clear	180°	2.0	2.8	0.6	1.2	5
QL484GT		565	Green Clear	180°	2.1	2.8	0.6	1.2	5
QL484HT		697	Red Clear	180°	2.0	2.8	0.3	0.6	5
QL484IT		635	Red Clear	180°	2.0	2.8	0.6	1.2	5
QL484RT		660	Red Clear	180°	1.7	2.0	0.3	0.5	5
QL484YT	Yellow	585	Yellow Clear	180°	2.0	2.8	0.4	1.0	5

Notes

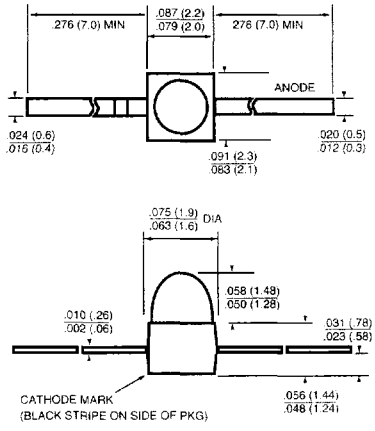
1. V_F & I_V @ I_F= 1 mA
3. V_F & I_V @ I_F= 10 mA
4. V_F & I_V @ I_F= 20 mA
5. V_F @ I_F = 20 mA; I_V @ I_F = 10 mA

HER = High Efficiency Red



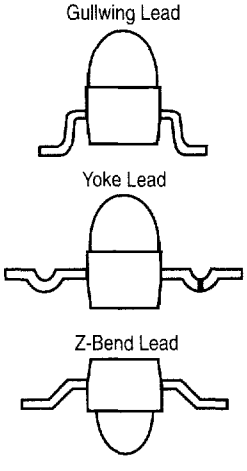
T-3/4 Square Base, Diffused & Clear with Offset Lens

Part Number	Source Color	Wave-length λp (nm)	Lens Color	Typical Viewing Angle	Forward Voltage V_F(V) typ	max	Luminous Intensity I_V(mcd) min	typ	Notes
QTLP912-2		635	Water Clear	25°	2.0	2.8	16.0	80.0	4
QTLP913-2			Red Diffused	50°	2.0	2.8	16.0	80.0	4
QTLP912-3	Yellow	635	Water Clear	25°	2.0	2.8	18.0	30.0	4
QTLP913-3			Yellow Diffused	50°	2.0	2.8	16.0	30.0	4
QTLP912-4		565	Water Clear	25°	2.1	2.8	30.0	50.0	4
QTLP913-4			Green Diffused	50°	2.1	2.8	11.5	50.0	4
QTLP912-5		555	Water Clear	20°	2.0	2.8	4.0	6.3	4
QTLP913-5			Green Diffused	50°	2.0	2.8	1.6	2.5	4
QTLP912-7		660	Water Clear	25°	2.0	2.8	113	170	4
QTLP913-7			Red Diffused	50°	1.7	2.4	72	108	4
QTLP912-8		610	Water Clear	25°	2.0	2.8	6.3	10.0	4



T-3/4 Square Base, Diffused & Clear

Part Number	Source Color	Wave-length λp (nm)	Lens Color	Typical Viewing Angle	Forward Voltage V_F(V) typ	max	Luminous Intensity I_V(mcd) min	typ	Notes
MV6700A		635	Red Diffused	50°	1.8	3.0	1.0	3.0	3
MV6400A		565	Green Diffused	40°	2.0	3.0	1.0	3.0	3
MV6300A	Yellow	585	Yellow Diffused	50°	2.0	3.0	1.0	3.0	3
HLMP-Q150A		660	Red Diffused	50°	1.6	1.8	1.0	1.8	1
HLMP-6305A		635	Water Clear	25°	1.8	3.0	3.0	12.0	3
HLMP-6505A		565	Water Clear	25°	2.0	3.0	3.0	12.0	3
HLMP-6405A	Yellow	585	Water Clear	25°	2.0	3.0	3.0	12.0	3
HLMP-Q105A		660	Water Clear	25°	1.8	2.4	20.0	50.0	4



OPTIONS

These T-3/4 Square Base products are available in Surface Mount Configurations packaged in bulk or on tape and reel, in three lead form configurations: 1) Gullwing, 2) Yoke, and 3) Z-Bend.

To order T-3/4 Square Base products in bulk or on tape and reel, include the appropriate standard product part number and suffix code to specify configuration and optional features.

Example: **MV6700A.GB** Example: **QTLP912-3.ZR**

LEAD FORM CODE

Code	Lead Type
G	Gullwing
Y	Yoke
Z	Z-Bend

PACKAGING CODE

Code	Lead Type
B	Bulk
R	Tape and Reel