



American Opto Plus LED

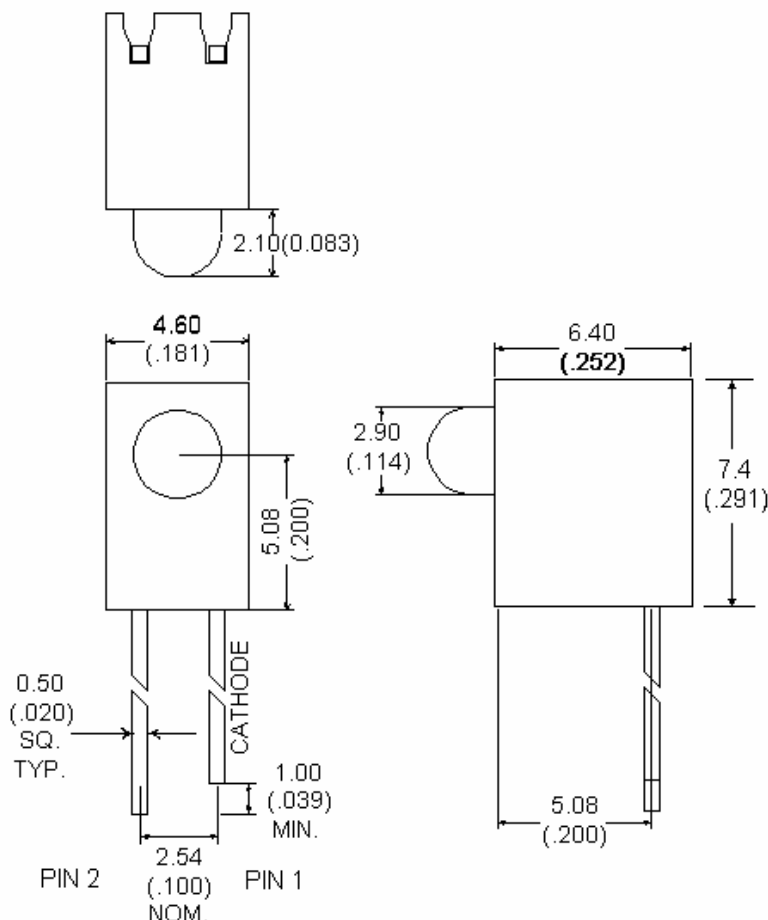
L-354XD-H302 series

3mm LOW PROFILE LED in H302 HOLDER

MAIN FEATURES:

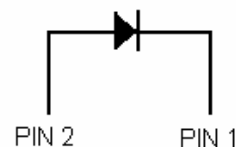
- ❖ 3mm LOW PROFILE LED LAMP
- ❖ STANDARD 1" LEAD
- ❖ LOW POWER CONSUMPTION
- ❖ RoHS COMPLIANT

PACKAGE DIMENSIONS



Notes:

1. All Dimension are in millimeter.
2. Tolerance is 0.25mm(0.010") unless otherwise specified.
3. Protruded resin under flange is 1.5mm(0.059") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specification are subject to change without notice.



SELECTION GUIDE AND APPLICATION INFORMATION (RATINGS AT 25°C AMBIENT)

Part No.	Chip		Lens Color	Wave Length p(nm)	Absolute Maximun Ratings				Electro-Optical Characteristics						View Angle (deg)
	Raw Material	Emitted Color			nm	Pd mW	If mA	If (Peak)	Vf(V)			If (Rec)	Iv (mcd)		
									Min.	Typ.	Max.		Min.	Typ.	
L354HD-H302	GaP	Bright Red	Red Diffused	700	90	45	15	50	1.7	2.1	2.8	5~10	0.8	5.0	60
L354ED-H302	GaAsP/GaP	Hi.effi Red	Red Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	20.0	60
L354GD-H302	GaP	Green	Green Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	2.5	12.5	60
L354SGD-H302	GaP	Green	Green Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	8.0	20.0	60
L354YD-H302	GaAsP/GaP	Yellow	Yellow Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	2.5	12.5	60
L354SRD-H302	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	20.0	100	60
L354LRD-H302	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	100	200	60

ABSOLUTE MAXIMUM RATING: (Ta=25°C)

Reverse Voltage	: 5 Volt
Reverse Current (Vr = 5V)	: 10μA
Operating Temperature Range	: -40°C to +80°C
Storage Temperature Range	: -40°C to +100°C
Lead Soldering Temperature (1.6mm(1/16inch) from body)	: 260°C for 5 Seconds

ELECTRO-OPTICAL CHARACTERISTICS: (Ta=25°C)

Para meter Description	Symbol	Unit
Spectral Line half-Width	$\Delta\lambda$	nm
Power Dissipation	Pd	mW
Peak Forward Current (Duty 1/10, @KHz)	If (Peak)	mA
Recommended Operation Current	If (Rec)	mA
Average Luminous intensity (If = 10mA)	Iv	mcd