

DESCRIPTION:

The 332 series is widely used in general purpose indicator applications. It is in popular 5mm diameter package and with short lead frame.

The semi-conductor materials used are:

GaP for (332HD/HT, 332GC/GD/GT)

GaAsP/GaP for (332RHC/RHD/RHT, 332YC/YD/YT and 332SD)

ABSOLUTE MAXIMUM RATINGS: (Ta=25°C)

Reverse Voltage	5 Volt
Reverse Current (Vr =5V)	100μA
Operating Temperature Range	-40°C To 85°C
Storage Temperature Range	-40°C To 100°C
Lead Soldering Temperature (1.6mm (1/16)From Body)	260°C For 5 Seconds

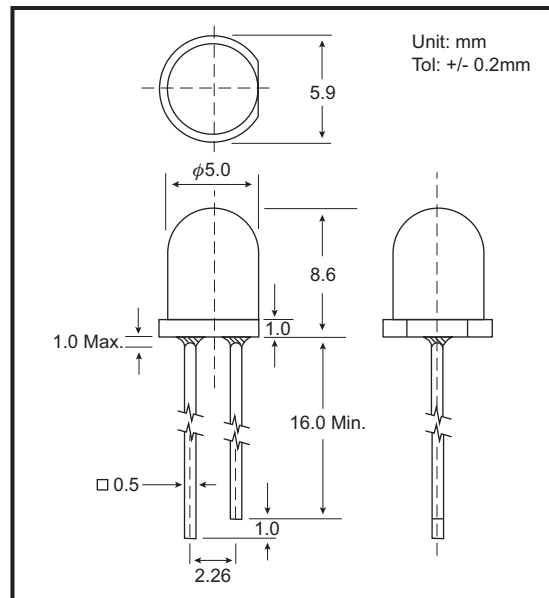
NOTES : 1. All dimensions are in millimeters.

2. Lead spacing is measured where the leads emerge from the package.

3. Protuded resin under flange is 1.5 mm (0.059") Max.

4. Specifications are subject to change without notice.

PACKAGE DIMENSIONS



PART NO. SELECTION AND APPLICATION INFORMATION (RATINGS AT 25°C AMBIENT)

Part No.	Emitted Color	Lens Color	Peak Wavelength λ_p (nm)	Vf (v)		Rec. If (mA).	Iv (mcd)		View Angle 2 $\theta_{1/2}$ (Deg)
				Min	Max		Min	Typ.	
GB-332HD	Red	Red Diffused	697	1.7	2.6	5-10	0.4	1.1	35
GB-332RHD	Bright Red	Red Diffused	660	1.7	2.6	10-20	1.0	3.5	35
GB-332GD	Green	Green Diffused	565	1.7	2.6	10-20	1.0	3.5	35
GB-332YD	Yellow	Yellow Diffused	585	1.7	2.6	10-20	1.0	3.5	35
GB-332SD	Orange	Orange Diffused	610	1.7	2.6	10-20	1.0	3.5	35
GB-332HT	Red	Red Trans.	697	1.7	2.6	5-10	1.0	3.0	30
GB-332RHT	Bright Red	Red Trans.	660	1.7	2.6	10-20	3.0	10.0	30
GB-332GT	Green	Green Trans.	565	1.7	2.6	10-20	3.0	10.0	30
GB-332YT	Yellow	Yellow Trans.	585	1.7	2.6	10-20	3.0	10.0	30
GB-332RHC	Bright Red	Water Clear	660	1.7	2.6	10-20	3.0	10.0	30
GB-332GC	Green	Water Clear	565	1.7	2.6	10-20	3.0	10.0	30
GB-332YC	Yellow	Water Clear	585	1.7	2.6	10-20	3.0	10.0	30

TESTING CONDITION FOR EACH PARAMETER :

PARAMETER:	SYMBOL	UNIT	TEST CONDITION
REVERSE VOLTAGE	Vr	VOLT	Vr = 5.0 Volt
REVERSE CURRENT	Ir	μA	If = 20mA
FORWARD VOLTAGE	Vf	VOLT	If = 20mA
LUMINOUS INTENSITY	Iv	MCD	If = 20mA
VIEWING ANGLE	2 $\theta_{1/2}$	DEGREE	
RECOMMENDED OPERATING CURRENT	If (Rec)	mA	

