

DESCRIPTION:

The 682 series is most suitable for use as level indicator with 1.2 x 3.4 x 4mm package.

The semi-conductor materials used are:

GaP for (682HD, 682GC/GD/GT)

GaAsP/GaP for (682RHC/RHD/RHT, 682YC/YD/YT)

ABSOLUTE MAXIMUM RATINGS: (Ta=25°C)

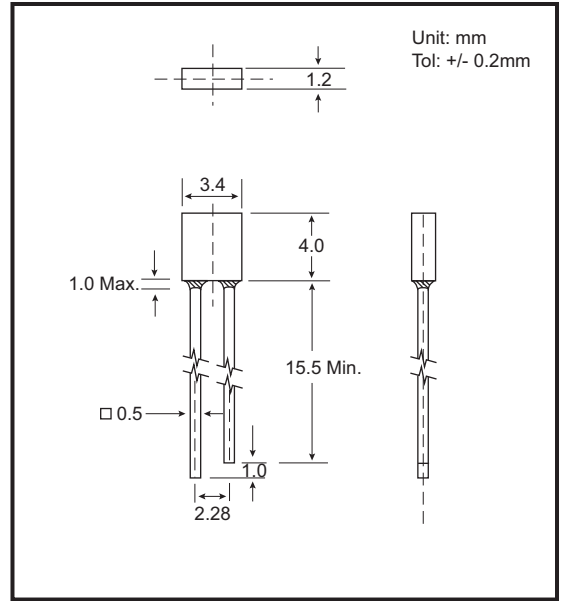
Reverse Voltage	5 Volt
Reverse Current (Vr =5V)	100µA
Operating Temperature Range	-40°C To 85°C
Storage Temperature Range	-40°C To 100°C
Lead Soldering Temperature (1.6mm (1/16)From Body)	260°C For 5 Seconds

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 λp (nm)	Vf (v)		Rec. If (mA).	Iv (mcd)		View Angle 2θ1/2(Deg)
				Min	Max		Min	Typ.	
GB-682HD	Red	Red Diffused	697	1.7	2.6	5-10	1.0	2.0	160
GB-682RHD	Bright Red	Red Diffused	660	1.7	2.6	10-20	3.4	4.0	160
GB-682GD	Green	Green Diffused	565	1.7	2.6	10-20	2.5	3.0	160
GB-682YD	Yellow	Yellow Diffused	585	1.7	2.6	10-20	2.5	3.0	160
GB-682RHT	Bright Red	Red Trans.	660	1.7	2.6	10-20	8.9	10.4	150
GB-682GT	Green	Green Trans.	565	1.7	2.6	10-20	6.6	7.7	150
GB-682YT	Yellow	Yellow Trans.	585	1.7	2.6	10-20	6.6	7.7	150
GB-682RHC	Bright Red	Water Clear	660	1.7	2.6	10-20	8.9	10.4	150
GB-682GC	Green	Water Clear	565	1.7	2.6	10-20	6.6	7.7	150
GB-682YC	Yellow	Water Clear	585	1.7	2.6	10-20	6.6	7.7	150

TESTING CONDITION FOR EACH PARAMETER :

PARAMETER:	SYMBOL	UNIT	TEST CONDITION
REVERSE VOLTAGE	Vr	VOLT	Vr = 5.0 Volt If = 20mA
REVERSE CURRENT	Ir	µA	
FORWARD VOLTAGE	Vf	VOLT	
LUMINOUS INTENSITY	Iv	MCD	If = 20mA
VIEWING ANGLE	2θ1/2	DEGREE	
RECOMMENDED OPERATING CURRENT	If (Rec)	mA	

