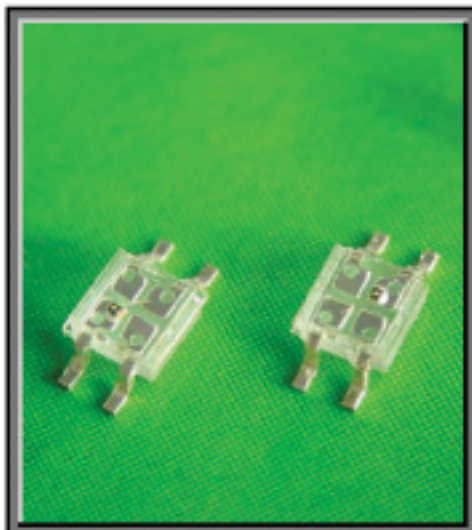


④ MINI TYPE LED LAMPS

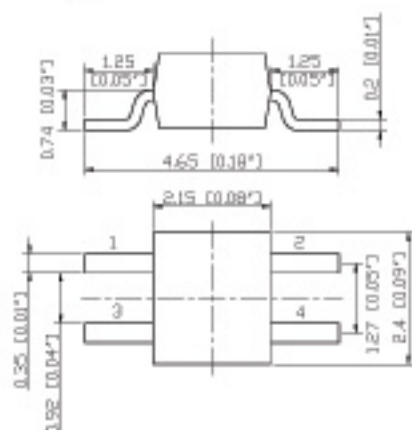
小型化發光二極體指示燈

GH-5166-09 Single-Color Series Electro-Optical Characteristics:

Code for parts GH-XXXXX	Lighting Color	Material	V _F (V)		λ (nm)			I _V (mod)	Internal Circuit
			Typ	Max	λ _D	λ _P	Δλ	Min	
RQ0966TC-09E	Red	AlGaInP	2.0	2.5	630	640	20	80	
OV0966TC-09E	Orange	AlGaInP	2.2	2.7	624	635	20	80	
YU0966TC-09E	Yellow	AlGaInP	2.0	2.5	590	595	20	80	
GB0666TC-09J	Green	AlGaInP	2.0	2.5	574	575	20	25	
G31466TC-09H	Green	GaInN	3.3	3.8	525	520	30	160	
BL1466TC-09H	Blue	GaInN	3.50	4.00	465	460	30	40	



© Package Outline Drawing:



NOTES: 1. All dimensions are in millimeters (inches):

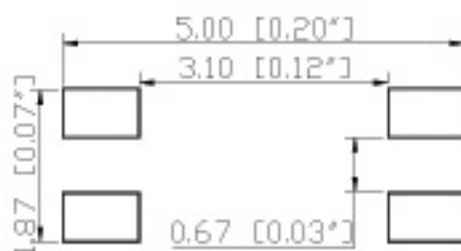
2. Tolerances are $\pm 0.2\text{mm}$ (0.008inch) unless otherwise noted:

3. Resin color: water clear.

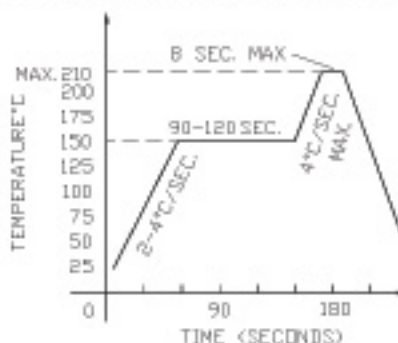
- Soldering iron

Basic spec is $\leq 5\text{sec}$ when 260°C . If temperature is higher, time should be shorter ($+10^{\circ}\text{C} \rightarrow -1\text{sec}$). Power dissipation of iron should be smaller than 15W , and temperatures should be controllable. Surface temperature of the device should be under 230°C .

● Recommended Soldering Pattern For Reflow Soldering



● Recommended Reflow Soldering Profile.



① **Absolute Maximum Ratings:**

Series	I_F (mA)	$\bullet I_{FP}$ (mA)	V_R (V)	T_{OP} (°C)	T_{ST} (°C)
GH-5166-09 Single-Color Series	30	120	5	-40~+80	-40~+85

*Condition for I_{FP} is pulse of 1/10 duty and 0.1msec width