

◎ INFRARED EMITTING DIODE

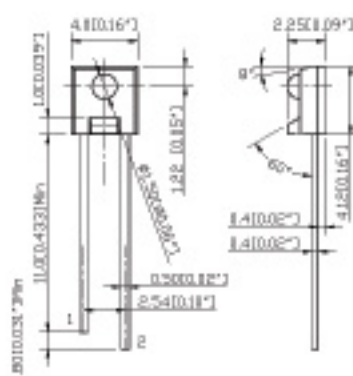
紅外線發射二極體

GH-309 Series Electro-Optical Characteristics:

Code for parts GH-XXXXX	Material	V _F (V)		λ (nm)		Power (mW/Sr)	View angle	Internal Circuit
		Typ	Max	λ _P	Δλ	Min		
ILFZ69TK-09E	GaAlAs	1.30	1.70	880	70	11.5	40	
ISFF69TK-09E	GaAs	1.20	1.60	940	50	7.5		



◎ 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 .

◎ Absolute Maximum Ratings:

Series	I _F (mA)	*I _{FP} (A)	V _R (V)	T _{OP} (°C)	T _{ST} (°C)
GH-309 Series	50	1	5	-40~+80	-40~+85

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