

REFLECTOR COATING TYPE HIGH-PERFORMANCE LEDS

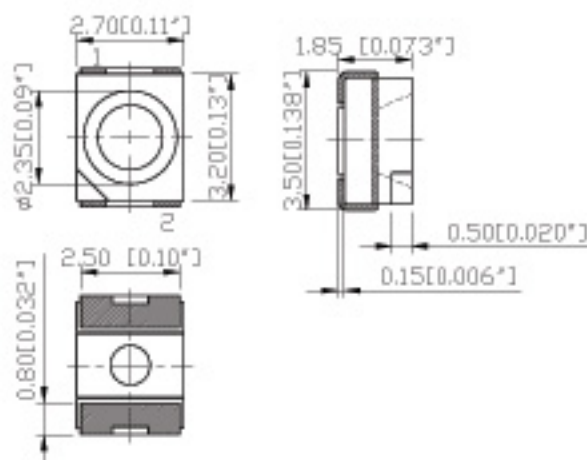
反射蓋灌注型高效率發光二極體

GH-2031 Series Electro-Optical Characteristics:

Code for parts GH-XXXXX	Lighting Color	Material	V _F (V)		λ (nm)			I _V (mcd)	Internal Circuit
			Typ	Max	λ _D	λ _P	Δλ		
RQDA31TZ-WPE	Red	AlGaInP	2.0	2.5	630	640	20	120	
OYDA31TZ-WPE	Orange	AlGaInP	2.2	2.7	624	635	20	120	
YUDA31TZ-WPE	Yellow	AlGaInP	2.0	2.5	590	595	20	120	
GBDA31TZ-WPJ	Green	AlGaInP	2.0	2.5	574	575	20	45	
G3JA31TZ-WPH	Green	GaInN	3.3	3.8	525	520	30	340	
BLJA31TZ-WPH	Blue	GaInN	3.50	4.00	465	460	30	60	
WWJA31TZ-WPH	White	GaInN	3.50	4.00	X=0.22~0.38 Y=0.22~0.36			350	



Package Outline Drawing:

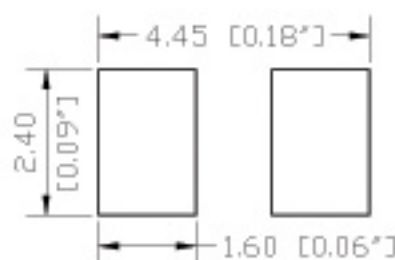


- NOTES: 1. All dimensions are in millimeters (inches);
2. Tolerances are ±0.2mm (0.008inch) unless otherwise noted;

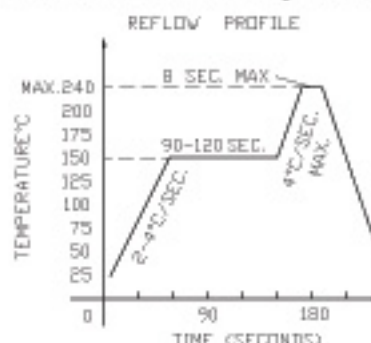
* Soldering iron

Basic spec is ≤ 5sec when 260°C. If temperature is higher, time should be shorter (+10°C → -1sec). 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.



Absolute Maximum Ratings:

Series	I _F (mA)	*I _{FP} (mA)	V _R (V)	T _{OP} (°C)	T _{ST} (°C)
GH-2031 Single-Color Series	30	120	5	-40~+80	-40~+85

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