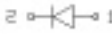


REFLECTOR COATING TYPE HIGH-PERFORMANCE LEDS

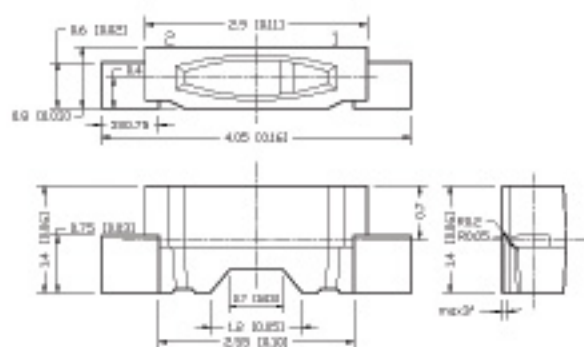
反射蓋灌注型高效率發光二極體

GH-2512 Series Electro-Optical Characteristics:

Code for parts GH-XXXXX	Lighting Color	Material	V _F (V)		λ (nm)			I _V (mA)	Internal Circuit
			Typ	Max	λ _D	λ _P	Δλ	Min	
RQDA12TZ-WPE	Red	AlGaInP	2.0	2.5	630	640	20	85	
OVDA12TZ-WPE	Orange	AlGaInP	2.2	2.7	624	635	20	95	
YUDA12TZ-WPE	Yellow	AlGaInP	2.0	2.5	590	595	20	95	
GBDA12TZ-WPJ	Green	AlGaInP	2.0	2.5	574	575	20	30	
G3JA12TZ-WPH	Green	GaInN	3.3	3.8	525	520	30	190	
BLJA12TZ-WPH	Blue	GaInN	3.50	4.00	465	460	30	45	
WVJA12TZ-WPH	White	GaInN	3.50	4.00	X=0.22~0.38 Y=0.22~0.36			290	

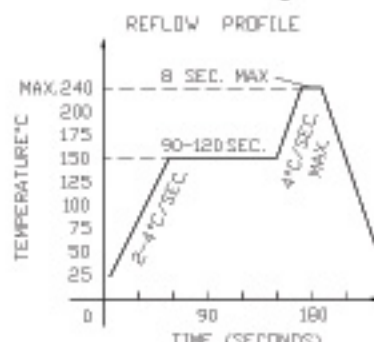


Package Outline Drawing:



- 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.

* Recommended Reflow Soldering Profile.



* 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} (mA)	V _R (V)	T _{OP} (°C)	T _{ST} (°C)
GH-2512	30	120	5	-40~+80	-40~+85

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