





@ SURFACE MOUNT LED LAMPS

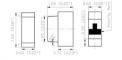
表面黏著型發光二極體指示燈

GH-X190 Series Electro-Optical Characteristics:

Code for parts GH-XXXXXX	Lighting Color	Material	V⊬(V)		λ (nm)			I _V (mod)	Internal
			Тур	Max	λο	λp	Δλ.	Min	Circuit
RQX190TS-DPE	Red	AlGainP	2.0	2.5	630	640	20	80	101ª
OVX190TS-DPE	Orange	AlGairP	2.2	2.7	624	635	20	80	
YUX190TS-DPE	Yellow	AlGairP	2.0	2.5	590	595	20	80	
GBX190TS-DPJ	Green	AlGainP	2.0	2.5	574	575	20	25	
G3X190TS-JPH	Green	GainN	3.3	3.8	525	520	30	160	
BL1X190TS-JPH	Blue	GainN	3.50	4.00	465	460	30	40	
W4X190TS-JPH	White	GalnN	3.50	4.00	X+0.22-0.38 Y=0.22-0.36		100		



Package Outline Drawing:



NOTES 1. All dimensions are in millimeters (inches); 2. Tolerances are ±0.1mm (0.004inch) unless otherwise noted; 3. Resin color; water clear.

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 2.40 (0.09*) Reflow Soldering Pattern For Reflow Soldering Pattern For





Absolute Maximum Ratings:

Series	l∉ (mA)	*I _{FP} (mA)	V _R (V)	T _{OP} (°C)	T _{ST} (°C)
GH-X190 Series	30	120	5	-40~+80	-40~+85

Condition for I₂₂ is pulse of 1/10 duty and 0.1msec width