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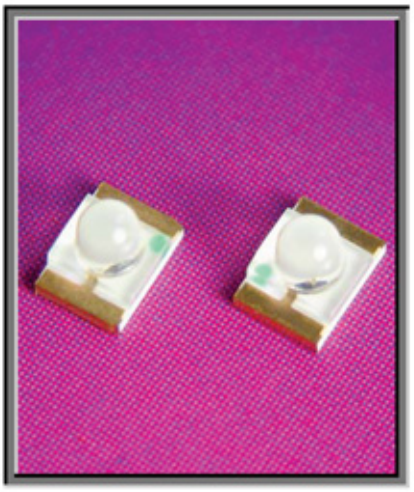
⓪SURFACE MOUNT LED LAMPS

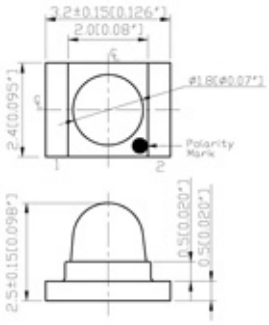
表面黏著型發光二極體指示燈

GH-S133 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	$\Delta\lambda$	Min	
RQS133TR-DPE	Red	AlGaInP	2.0	2.5	630	640	20	900	
OVS133TR-DPE	Orange	AlGaInP	2.2	2.7	624	635	20	1500(Typ)	
YUS133TR-DPE	Yellow	AlGaInP	2.0	2.5	590	595	20	1600(Typ)	
GBS133TR-DPJ	Green	AlGaInP	2.0	2.5	574	575	20	175	
G3S133TR-JPH	Green	GaInN	3.3	3.8	525	520	30	980	
BLS133TR-JPH	Blue	GaInN	3.50	4.00	465	460	30	350	
W4S133TR-JPH	White	GaInN	3.50	4.00	X=0.22~0.38 Y=0.22~0.36			95	

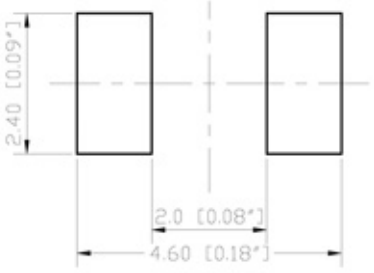


⓪ Package Outline Drawing:

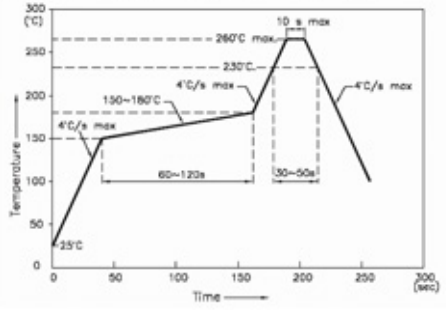


NOTES: 1. All dimensions are in millimeters (inches);
2. Tolerances are ±0.1mm (0.004inch) unless otherwise noted;
3. Resin color: water clear.

✹ **Recommended Soldering Pattern For Reflow Soldering**



✹ **Recommended Reflow Soldering Profile.**



✹ **Soldering iron**

Basic spec is ≤ 5sec when 260℃. If temperature is higher, time should be shorter(+10℃ → -1sec).Power dissipation of iron should be smaller than 15W,and temperatures should be controllable .Surface temperature of the device should be under 230℃.

⓪ Absolute Maximum Ratings:

Series	I_F (mA)	*I_{FP} (mA)	V_R (V)	T_{OP} (°C)	T_{ST} (°C)
GH-S133 Series	30	120	5	-40~+80	-40~+85

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