上海查尔斯电子有限公司
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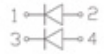
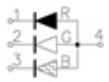
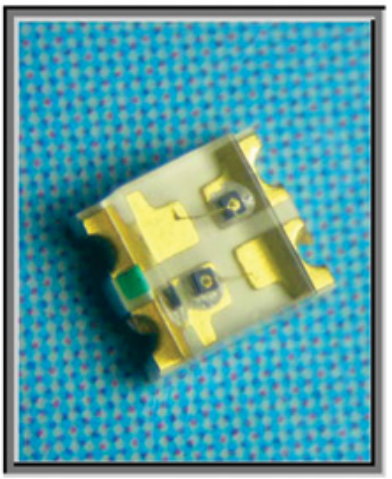
⓪SURFACE MOUNT LED LAMPS

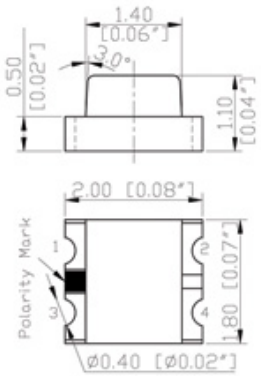
表面黏著型發光二極體指示燈

GH-3175 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	Min	
MP3175TS-EKE	Red	AlGaInP	2.00	2.50	630	640	20	80	長波長  短波長
	Green	AlGaInP	2.00	2.50	574	575	20	25	
MP3175TS-ENE	Orange	AlGaInP	2.00	2.50	624	635	20	80	
	Green	AlGaInP	2.00	2.50	574	575	20	25	
MP3175TS-EMH	Green	GaInN	3.30	3.80	525	520	30	160	
	Blue	GaInN	3.50	4.00	465	460	30	40	
WP3175TS-E5H	Red	AlGaInP	2.00	2.50	630	640	20	80	
	Green	GaInN	3.30	3.80	525	520	30	160	
	Blue	GaInN	3.50	4.00	465	460	30	40	

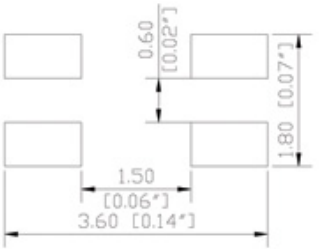


⓪ Package Outline Drawing

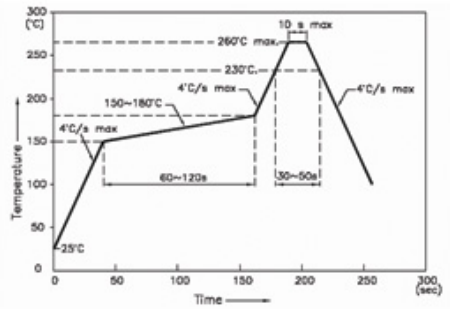


NOTES: 1. All dimensions are in millimeters (inches);
2. Tolerances are ±0.1mm (0.004inch) unless otherwise noted;
3. Resin color: water clear.

✹ 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-3175 Series	30	120	5	-40~+80	-40~+85

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