

# High Power Products

## Explanation of Part Number:

H P B 8 b - 4 9 K 3 W B / W P C B  
①            ②            ③            ④            ⑤            ⑥            ⑦            ⑧            ⑨

### 1.High power products kinds:

HP: visible emitter  
HIRP: infrared emitter

### 2.Shape distinguish:

B: lambertian type  
S: side emitting type  
D: focusing type  
E: focusing type  
R: reflector type

### 3.Identification No:

### 4.Lead frame type

### 5.Lens appearance:

1:colored diffusion  
4:water clear (HPRx type is white diffusion)  
5:white diffusion

### 6.Power color number:

3: green                      8: blue  
4: yellow                    9: white  
5: red

### 7.Power type:

Non: 1W	15: 15W
05: 0.5W	20: 20W
3: 3W	30: 30W
5: 5W	50: 50W
10: 10W	100: 100W

### 8.Dice kinds:

### 9.Heat conduction type:

Non: no star type heat sink  
WPCB: with white star type heat sink