

# BS Elektronik Service GmbH

## 140-SB

### Maximum Ratings at TA = 25°C

|                    |        |
|--------------------|--------|
| DC Forward Current | 350 mA |
|--------------------|--------|

### Typical Electrical/Optical Characteristic at TA = 25°C, If = 350 mA DC

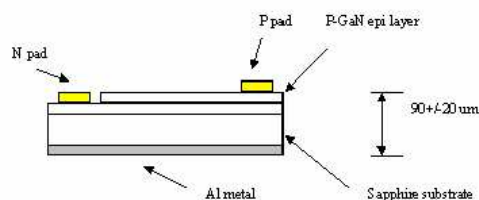
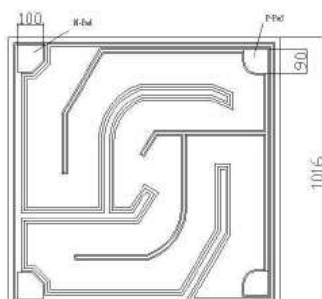
| Parameter                           | Condition              | Min. | Typ. | Max. | Unit          |
|-------------------------------------|------------------------|------|------|------|---------------|
| Forward Voltage ( $V_f$ )           | $I_f = 350 \text{ mA}$ | -    | 3.5  | 3.8  | V             |
| Reverse Current ( $I_r$ )           | $V_f = -5\text{V}$     | -    | -    | 5    | $\mu\text{A}$ |
| Spectral Width ( $\Delta \lambda$ ) | $I_f = 350 \text{ mA}$ | -    | 30   | 50   | nm            |

### Part Number:

| Wd(nm)<br>Iv(mcd) | 450~455 | 455~460 | 460~465 | 465~470 | 470~475 |
|-------------------|---------|---------|---------|---------|---------|
| 1200~1600         | FB2T5BH |         |         |         |         |
| 1600~2000         | FB2T5CH | FB2T4CH |         |         |         |
| 2000~2400         | FB2T5DH | FB2T4DH | FB2T1DH |         |         |
| 2400~2800         |         | FB2T4EH | FB2T1EH |         |         |
| 2800~3200         |         |         | FB2T1FH | FB2T2FH |         |
| 3200~3600         |         |         |         | FB2T2GH | FB2T3GH |
| 3600~4000         |         |         |         | FB2T2HH | FB2T3HH |
| 4000~4400         |         |         |         |         |         |

### Mechanical Specifications:

|                |  |
|----------------|--|
| Die Size       | 1016um x 1016um ±20um.   |
| Die Thickness  | 90um ±20um.  |
| Contact Metal  | P contact are Au for consistent ,reliable bonds and N contact are Au |
| Backside Metal | Al   |



Above drawing is not on real scale