



# 湖南长富电子有限公司

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Model: LF20802CB/CSR/CSG/CSY

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

| PARAMETER             |       | Blue    | Hi-Red  | Green   | Yellow  | UNIT |
|-----------------------|-------|---------|---------|---------|---------|------|
| Reverse voltage       | Vr    | 5       | 5       | 5       | 5       | V    |
| Forward current       | If    | 20      | 20      | 20      | 20      | mA   |
| Peak forward current  | Ipeak | 150     | 150     | 150     | 150     | mA   |
| Power dissipation     | Pt    | 120     | 105     | 105     | 105     | mW   |
| Operating temperature | Ta    | -40~+85 | -40~+85 | -40~+85 | -40~+85 | °C   |
| Storage temperature   | Tsta  | -40~+85 | -40~+85 | -40~+85 | -40~+85 | °C   |

ELECTRICAL-OPTICAL CHARACTERISTICS(Ta=25°C)

| Part NO.   | Wavelength<br>(nm) |     | Forward Voltage<br>IF=20mA (v) |     | Reverse<br>Current<br>VR=5v(uA) | Luminous<br>Intensity<br>IF=20mA(ucd) |
|------------|--------------------|-----|--------------------------------|-----|---------------------------------|---------------------------------------|
|            | λ P                | △ λ | TYP                            | MAX | MAX                             | TYP                                   |
| LF20802CB  | 465                | 2.5 | 3.2                            | 3.5 | 20                              | 60000                                 |
| LF20802CSR | 640                | 5   | 2.0                            | 2.5 | 20                              | 30000                                 |
| LF20802CSG | 570                | 5   | 2.2                            | 2.5 | 20                              | 10000                                 |
| LF20802CSY | 585                | 5   | 2.1                            | 2.4 | 20                              | 10000                                 |

PACKAGE DIMENSION&INTERNAL CIRCUIT DIAGRAM:

