



# 湖南长富电子有限公司

地址: 长沙市岳麓区雷锋大道青山安置小区15栋

Tel:0731-88910304 Fax:0731-88910309

Model: LF20401CB/CSR/CSG/CSY

ABSOLUTE MAXIMUM RATINGS( $T_a=25^{\circ}\text{C}$ )

| 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 | $^{\circ}\text{C}$ |
| Storage temperature   | Tsta  | -40~+85 | -40~+85 | -40~+85 | -40~+85 | $^{\circ}\text{C}$ |

ELECTRICAL-OPTICAL CHARACTERISTICS( $T_a=25^{\circ}\text{C}$ )

| Part NO.   | Wavelength (nm) |                 | Forward Voltage IF=20mA (v) |     | Reverse Current VR=5v(uA) | Luminous Intensity IF=20mA(ucd) |
|------------|-----------------|-----------------|-----------------------------|-----|---------------------------|---------------------------------|
|            | $\lambda_p$     | $\Delta\lambda$ | TYP                         | MAX | MAX                       | TYP                             |
| LF20401CB  | 465             | 2.5             | 3.2                         | 3.5 | 20                        | 60000                           |
| LF20401CSR | 640             | 5               | 2.0                         | 2.5 | 20                        | 30000                           |
| LF20401CSG | 570             | 5               | 2.2                         | 2.5 | 20                        | 10000                           |
| LF20401CSY | 585             | 5               | 2.1                         | 2.4 | 20                        | 10000                           |

PACKAGE DIMENSION&INTERNAL CIRCUIT DIAGRAM:

