



# 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: LF30302CB/CSR/CSG/CSY

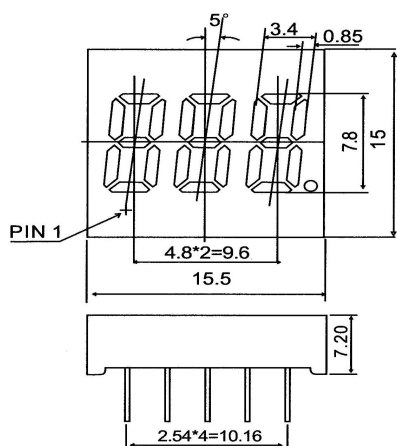
ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

| PARAMETER             |       | Red     | 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) |
|------------|--------------------|-----------------|--------------------------------|-----|---------------------------------|---------------------------------------|
|            | $\lambda_p$        | $\Delta\lambda$ | TYP                            | MAX | MAX                             | TYP                                   |
| LF30302CB  | 465                | 2.5             | 3.2                            | 3.5 | 20                              | 60000                                 |
| LF30302CSR | 640                | 5               | 2.0                            | 2.5 | 20                              | 30000                                 |
| LF30302CSG | 570                | 5               | 2.2                            | 2.5 | 20                              | 10000                                 |
| LF30302CSY | 585                | 5               | 2.1                            | 2.4 | 20                              | 10000                                 |

PACKAGE DIMENSION&INTERNAL CIRCUIT DIAGRAM:



DIG.1 DIG.2 DIG.3

