**8x8 RGB 64 LED Dot Matrix Displays**

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**Structural diagram**



**Specification parameters**

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| **Utilization parameters** |
| Parameter | Color |  Maximum value | Unit |
| Maximum Power | Red | 70 | mW |
| Green | 100 |
| Blue | 100 |
| Maximum forward current | Red | 30 | mA |
| Green | 30 |
| Blue | 30 |
| Reverse Voltage | Red | 5 | V |
| Green | 5 |
| Blue | 5 |
| Working Temperature | -30℃ to +80℃ |
| Storage Temperature |  -30℃ to +100℃ |
| **Optical parameters** |
| Parameter | Color |  Symbol | Minimum value | Maximum value | Unit | Test conditions |
| luminous intensity | Red | Iv | 80 | 100 | mcd | IF=20mA |
| Green | 180 | 200 |
| Blue | 50 | 70 |
| Wavelength | Red | λp | 625 | 630 | nm | IF=20mA |
| Green | 517.5 | 520 |
| Blue | 467.5 | 470 |
| Forward Voltage | Red | VF | 1.9 | 2.2 | V | IF=20mA |
| Green | 3.1 | 3.4 |
| Blue | 3.1 | 3.4 |
| Reverse Current | Red | IR | / | 10 | UA | VR=5V |
| Green | / | 10 |
| Blue | / | 10 |