

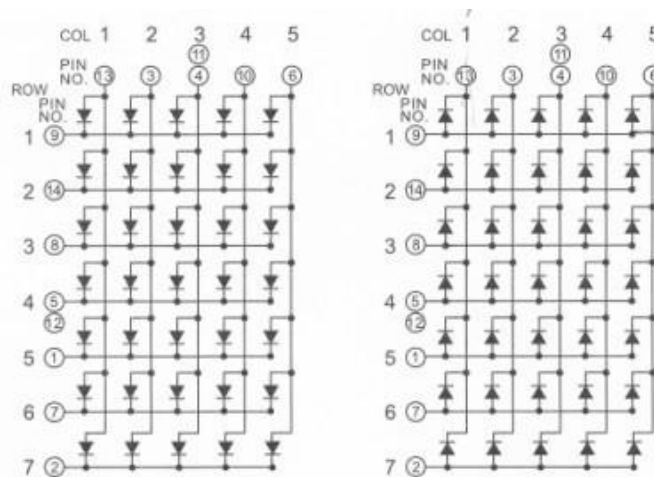
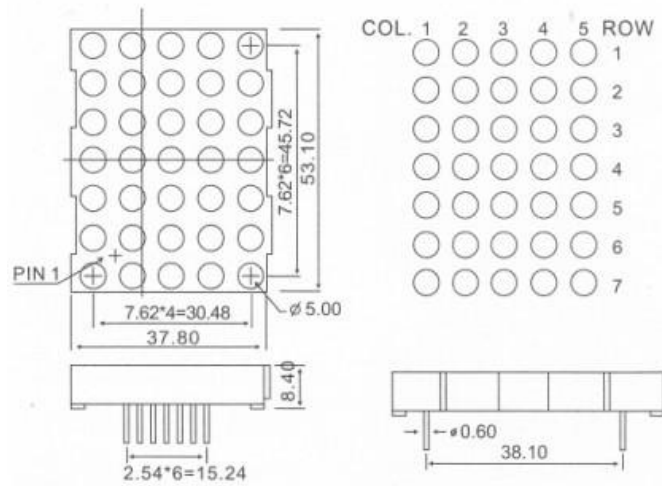
Specifications of Apha numeric segment LED display

Part: KL-20057-BSR

Features:

| | | | |
|---------------|-------|-------------------|----------------|
| Dot diameter | 5.0mm | Epoxy color | White diffused |
| Array | 5*7 | Pin configuration | Anode on row |
| Surface color | Black | Emitting color | Super red |

Package dimension& Internal circuit diagram



Notes:

- . All dimensions are in millimeters (inches).
- .Tolerance is 0.25(0.01) unless otherwise noted.
- . Specifications are subject to change without notice.

☆ABSOLUTE MAXIMUM RATINGS (Ta=25℃)

| ITEM | Amber | Super green | Super red | High red | Yellow green | Yellow | Blue | Pure green | White | UNIT |
|---------------------------------|----------------|-------------|-----------|----------|--------------|--------|------|------------|-------|------|
| Power Dissipation (Pd) | 52 | 50 | 40 | 36 | 44 | 42 | 66 | 66 | 66 | mW |
| Peak Forward Current (Ifp) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | mA |
| Continuous Forward Current(If) | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | mA |
| Reverse Voltage (Vr) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | V |
| Reverse Current(Ir) | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | Ua |
| Operating Temperature Range(Ta) | -35~+85 | | | | | | | | | ℃ |
| Storage Temperature Range(Tstg) | -35~+85 | | | | | | | | | ℃ |
| Lead Solder Temperature | 260℃ for 3 sec | | | | | | | | | |

☆ Color Code & Chip characteristic: (Test Condition: IF=20Ma)

| Emitting Color | Peak Wavelength | | Forward Voltage IF=20Ma (V) | | Luminous Intensity IF=20Ma(mcd) |
|----------------|-----------------|----|--------------------------------|-----|------------------------------------|
| | (λp) | △λ | Typ | Max | Max |
| Amber | 605-615 | 30 | 1.9 | 2.1 | 30 |
| Super green | 565-575 | 30 | 1.9 | 2.1 | 80 |
| Super red | 625-640 | 20 | 1.9 | 2.1 | 100 |
| High red | 640-660 | 20 | 1.9 | 2.1 | 20 |
| Yellow green | 570-580 | 30 | 1.9 | 2.1 | 12 |
| Yellow | 590-600 | 35 | 1.9 | 2.1 | 60 |
| Blue | 465-475 | 40 | 3.1 | 3.3 | 50 |
| Pure green | 515-525 | 40 | 3.1 | 3.3 | 200 |
| White | | | 3.1 | 3.3 | 180 |