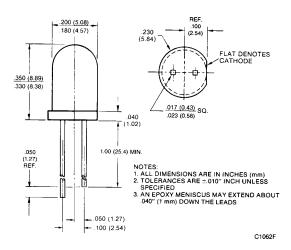




HIGH EFFICIENCY RED (ORANGE) MV6151 YELLOW MV6351

HIGH EFFICIENCY GREEN MV6451 AIGaAs RED MV6951

PACKAGE DIMENSIONS



DESCRIPTION

This White Diffused family of T-1¾ lamps gives maximum ON/OFF contrast in high ambient lighting levels. The family features Orange, AlGaAs Red (Dark Red), Yellow and High Efficiency Green as well as High Efficiency Red, which here is Orange. The family exhibits wide viewing angle intended for direct view.

FEATURES

- Excellent ON/OFF contrast
- Pale tint, diffused
- AlGaAs Red plus 3 bright colors: High Efficiency Red/Orange, Yellow and Green
- Alternative for popular MV6X53 family
- Snap-in grommet MP52 available as separate order item

| PHYSICAL CHARACTERISTICS | | | | | |
|--------------------------|-----------------------|----------------------|-----------------|-------------|--|
| TYPE | SOURCE COLOR | LENS COLOR | LENS EFFECT | APPLICATION | |
| MV6151 | High Efficiency Red | Pale Orange Diffused | Orange Diffused | Direct View | |
| MV6351 | Yellow | Pale Yellow Diffused | Yellow Diffused | Direct View | |
| MV6451 | High Efficiency Green | Pale Green Diffused | Green Diffused | Direct View | |
| MV6951 | AlGaAs Red | Pale Pink Diffused | Red Diffused | Direct View | |



HIGH CONSTRAST T-13/4 **SOLID STATE LAMPS**

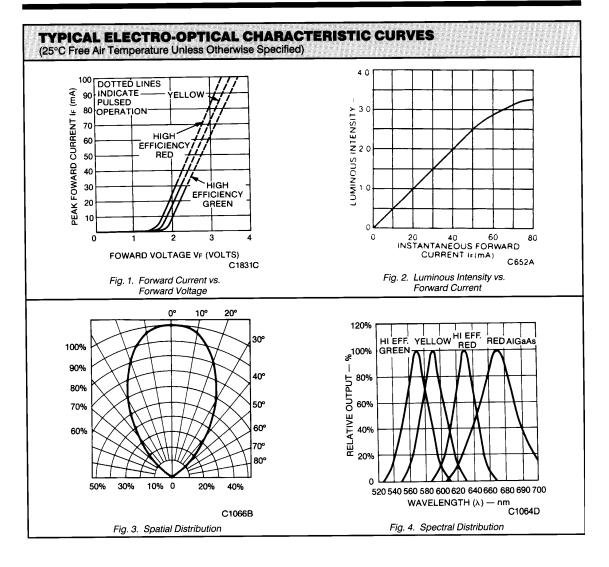
| PARAMETER | | SYMBOL | MV6151 | MV6351 | MV6451 | MV6951 | UNITS | TEST COND. | NOTES |
|--|--------------|----------------|------------|------------|------------|------------|------------|--|-------|
| Luminous Intensity | min. typ. | lν | 3.0 12 | 3.0 12 | 3.0 12 | 3.0 12 | mcd mcd | I _F =20 mA I _F =20 mA | |
| Forward voltage | max. typ. | V _F | 3.0 2.1 | 3.0 2.2 | 3.0 2.3 | 3.0 2.4 | V | I _F =20 mA I _F =20 mA | |
| Peak wavelength | typ. | λ_{p} | 635 | 585 | 565 | 650 | nm | I _F =20 mA | |
| Reverse breakdown voltage | min. | V_{BR} | 5 | 5 | 5 | 5 | | I _F =100μA | |
| Total viewing angle between half luminous points | typ. | 20% | 70 | 70 | 70 | 70 | degrees | I _F =20 mA | |

| PARAMETER | YELLOW | HI EFF. RED RED | GREEN | UNITS | NOTES |
|---|-----------------|--------------------|----------|----------|-------|
| Power dissipation | 85 | 120 | 120 | mW | 1 |
| Continuous forward current | 20 | 35 | 30 | mA | |
| Peak forward current (1 μ s, 0.3% DF) | 60 | 1000 | 90 | mA | |
| Lead soldering time at 260° C | 5 | 5 | 5 | seconds | 2 |
| Storage and operating temperatures | -55°C to +100°C | | -55°C to | o +100°C | _ |

NOTES

- Derate linearly from 25°C (MV6451 from 50°C) at 1.6 mW/°C.
 From a point minimum 1/16 inch (1.6 mm) from the bottom of the lamp.

HIGH CONTRAST T-134 SOLID STATE LAMPS





HIGH CONTRAST T-1 3/4 SOLID STATE LAMPS

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- A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.