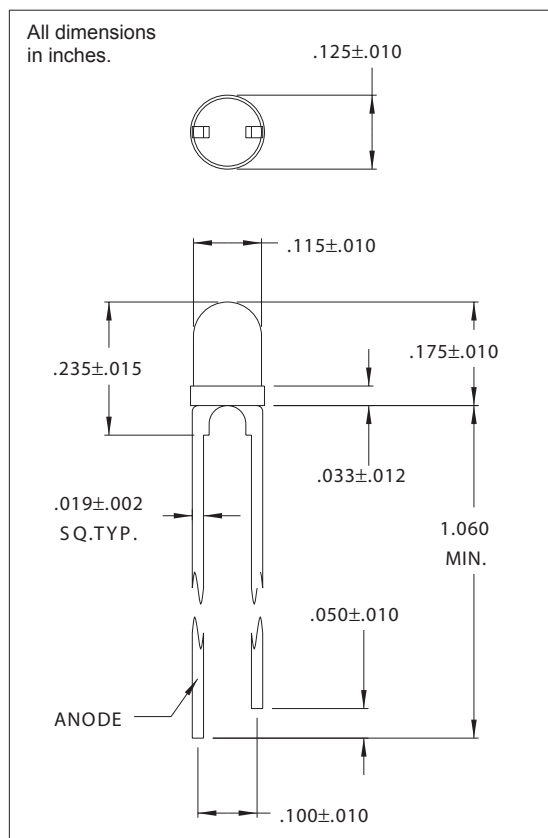


## 4302F-5V, 4302F-12V Series Integrated Resistor 5 Volts 12 Volts T-1 (3mm)

### Description and Features



- High brightness output
- Integral current limiting resistor
- TTL compatible requires no external current limiter with 5 volt or 12 volt supply.
- Wide viewing angle - 60°.

### Electro-Optical Characteristics and Ratings

| PART NUMBER                          | 4302F1-5V | 4302F3-5V | 4302F5-5V | 4302F1-12V | 4302F3-12V | 4302F5-12V |
|--------------------------------------|-----------|-----------|-----------|------------|------------|------------|
| Output Color                         | Red       | Amber     | Green     | Red        | Amber      | Green      |
| Diffusion                            | Diffused  | Diffused  | Diffused  | Diffused   | Diffused   | Diffused   |
| Package Color                        | Red       | Amber     | Green     | Red        | Amber      | Green      |
| Rated Current (mA)                   | 10        | 10        | 10        | 13         | 13         | 13         |
| Forward Voltage Typ. (V)             | 5         | 5         | 5         | 12         | 12         | 12         |
| Forward Voltage Max. (V)             | 7.5       | 7.5       | 7.5       | 15         | 15         | 15         |
| Luminous Intensity Min. (mcd)        | 2.0       | 2.0       | 2.0       | 2.0        | 2.0        | 2.0        |
| Luminous Intensity Typ. (mcd)        | 8.0       | 8.0       | 8.0       | 8.0        | 8.0        | 8.0        |
| Continuous Forward Current Max. (mA) | 20        | 15        | 15        | 20         | 20         | 20         |
| Peak Wavelength (nm)                 | 635       | 583       | 565       | 635        | 583        | 565        |
| Viewing Angle 20 1/2 (degrees)       | 60        | 60        | 60        | 60         | 60         | 60         |
| Reverse Breakdown Voltage Min. (V)   | 5         | 5         | 5         | 5          | 5          | 5          |