

| ELECTRICAL / OPTICAL CHARACTERISTICS (T _A =25°C) | | | | | | |
|--|------------------|------------------|------------------|------------------|---------------|------------------------|
| Part Number | HLMP-3300 | HLMP-3301 | HLMP-3315 | HLMP-3316 | FLV110 | Condition |
| Luminous Intensity (mcd) | | | | | | I _F = 10mA |
| Minimum | 2.0 | 4.0 | 12 | 20 | 0.8* | |
| Typical | 3.5 | 7.0 | 18 | 35 | 3.0* | |
| Forward Voltage (V) | | | | | | I _F = 10mA |
| Maximum | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | |
| Typical | 2.2 | 2.2 | 2.2 | 2.2 | 1.6 | |
| Peak Wavelength (nm) | 635 | 635 | 635 | 635 | 660 | I _F = 10mA |
| Reverse Voltage (V) | 5 | 5 | 5 | 5 | 5 | I _R = 100μA |
| Viewing Angle (°) | 65 | 65 | 35 | 35 | 70 | I _F = 10mA |

* For FLV110 Test I_F = 20mA

TYPICAL PERFORMANCE CURVES (T_A = 25°C)

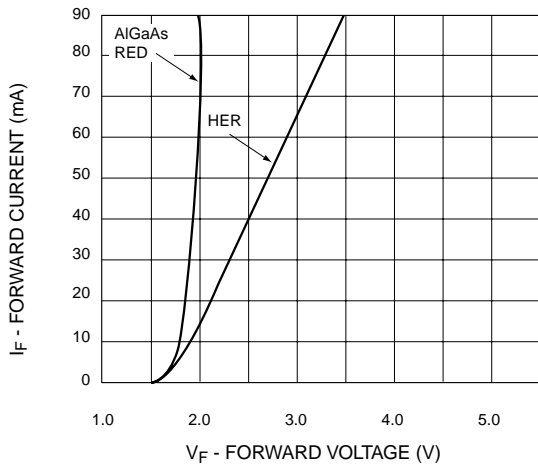


Fig. 1 Forward Current vs. Forward Voltage

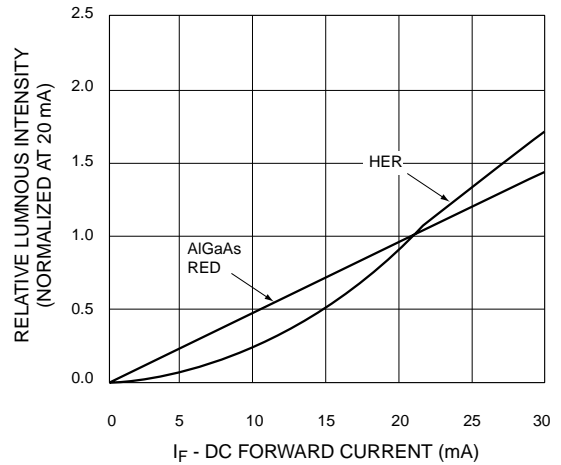


Fig. 2 Relative Luminous Intensity vs. DC Forward Current

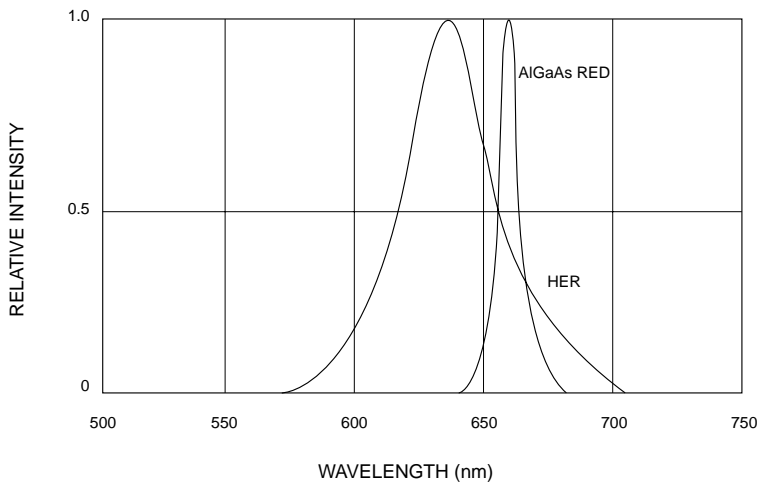


Fig. 3 Relative Intensity vs. Peak Wavelength

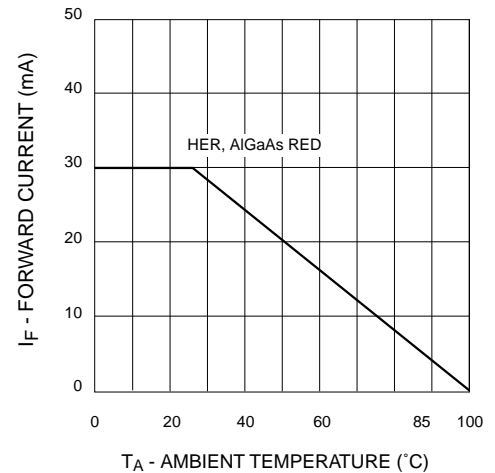


Fig. 4 Current Derating Curve

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2. 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.

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FLV110
Standard Red T-1 3/4 (5 mm) Solid State Lamp

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General description

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The HLMP-33XX series consists of high efficiency red T-1 3/4 lamps with a viewing angle of 35° or 65° FLV110 is a low profile standard red T-1 3/4 lamp with a diffused lens, providing a viewing angle of 70°.

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technical information

Features

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- Popular, general purpose lamps.
- Wide and narrow viewing angle devices for direct view or backlighting.
- Solid state reliability.
- Sturdy leads for easy assembly

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Testing conditions

- $V_F @ I_F = 10 \text{ mA}; I_V @ I_F = 10 \text{ mA}$

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Product status/pricing/packaging

| Product | Product status | Pricing* | Package type | Packing method |
|---------|-----------------|----------|--------------|----------------|
| FLV110 | Full Production | \$0.056 | T-1 3/4 | BULK |

| | | | | |
|-------------|-----------------|-----|---------|------|
| FLV110A34R0 | Full Production | N/A | T-1 3/4 | BULK |
|-------------|-----------------|-----|---------|------|

* 1,000 piece Budgetary Pricing

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