



The MP3100/800/26OK-A is a broad band amplifier for 2700 ~ 3500 MHz applications. The amplifier employs GaAs Enhancement-mode pHEMT devices that provide high efficiency, wide dynamic range, and linearity.



Model: MP3100/800/26OK-A

1. Electrical Characteristics

| Item | Value | Note |
|----------------------------|---|--|
| Frequency Range | 2700 ~ 3500 MHz | |
| Gain | 25 dB \pm 0.5dB | |
| Gain Flatness | \pm 0.5 dB (Typ.) | |
| P1dB | +25 dBm (Min.) | |
| Psat | +26 dBm (Min.) | |
| 3rd Order Intercept Point | +38 dBm (Min.) | 2 CW tones @ +3 dBm each @ 1 MHz spacing |
| Enable/Disable | TTL Low or Open: Enable TTL High : Disable | Via #4 Feedthru |
| Input /Output VSWR | 1.5:1 (Typ.) | |
| DC Input Voltage / Current | +28 VDC / 60 mA (Max.) | |
| Input / Output Impedance | 50 Ω | |
| Max Input RF | +15 dBm | |

Revision History

| REV | Reason to Change | Date | Initialed by |
|-----|---------------------|----------|--------------|
| | Production Approved | 05/12/17 | Y.Z. |
| | | | |
| | | | |
| | | | |

2. Mechanical Characteristics

| | |
|---------------------|-----------------------|
| RF IN/OUT Connector | SMA 4 Holes Female |
| DC Input | #8 Feed Thru |
| Enable/Disable | #4 Feedthru |
| Dimensions | 3.90" x 1.60" x 0.72" |

3. Environment Characteristics

| | |
|-----------------------|---------------|
| Operating Temperature | -40°C ~ +80°C |
|-----------------------|---------------|

4. Outline Drawing

