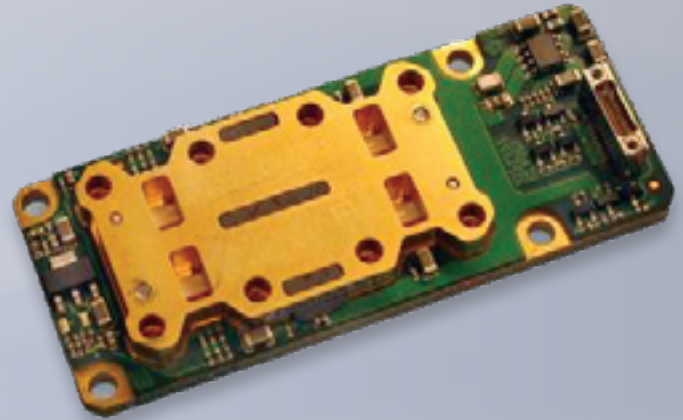


**Ka-Band 27.0 – 31.0 GHz
HPA Series (Designed for
VSAT and LMDS applications)**

- 3 and 6W Module
- 25 and 70W SSPA



FEATURES

Frequency Configurations

Module

- 0.25 μ m based GaAs power PHEMT MMIC technology
- High Power Gain: 24 dB typical
- High P1dB: 35.2 and 38 dBm typical (3.3 W and 6.3 W)
- High PAE: 15% typical
- Input/Output VSWR: 2:1 Typical
- Integrated Control Functionality: Fault Status, TTL Enable
- WR28 waveguide input and output
- Small Size: 3.07" x 1.25" x 1.7"
- Light-Weight: 5 oz.

SSPA

- High P1 dB : 44.0 and >48.4 dBm typical at ambient temperature
- Operating frequency range 27–31GHz
- High Power Gain: 25 and 35 dB typical
- High Reliability MTBF+ 100,000hr @ 40°C and >100,000hr @ 44°C Base plate temperature per MIL-HDBK-217F
- MIL-STD-188-164A
- TTL Transmit enable command
- Status and Health Telemetry
- WR28 waveguide input and output ports