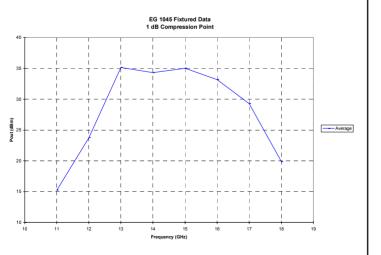


Ku Band Power Amplifier TGA1045-EPU

Key Features and Performance

- HFET Technology
- 12.5 -15.5 GHz Frequency Range
- > 3W Nominal Pout
- 24 dB Nominal Gain
- 9V @ 1.2A Bias

Parameter	Measured (In Fixture)	Units
FREQUENCY RANGE	13.0 - 15.5	GHz
LINEAR GAIN AT 25°C	24.0	dB
GAIN FLATNESS	< 2.0	dB pp
P1dB AT 25°C	~34.5	dBm
INPUT RETURN LOSS	> 10	dB
OUTPUT RETURN LOSS	> 8	dB
DC VOLTAGE	+9	Volts
CURRENT	1.2 Small Signal	A
DC POWER	10.8	W



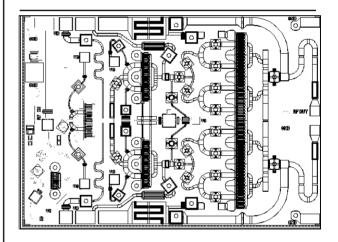
Preliminary Pout Data

Primary Applications

- Ku band Satellite Ground Terminal
- VSAT
- Point-to-Point Radio

Release Status

 Engineering Prototype Unit (EPU) samples available August 1998

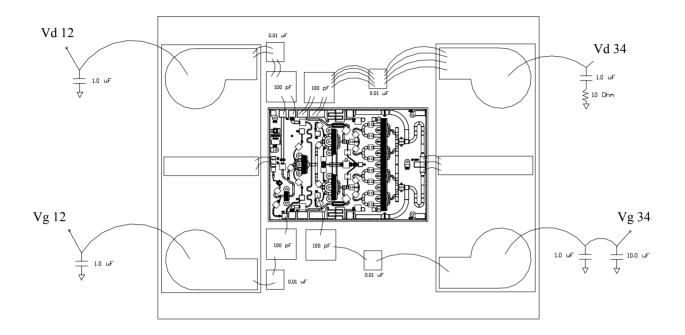


Chip Dimensions 4.69 mm x 3.35 mm

Note: Devices designated as EPU are typically early in their characterization process prior to finalizing all electrical and process specifications. Specifications are subject to change without notice.



Advance Product Information



Recommended Assembly Diagram

Note: Devices designated as EPU are typically early in their characterization process prior to finalizing all electrical and process specifications. Specifications are subject to change without notice.