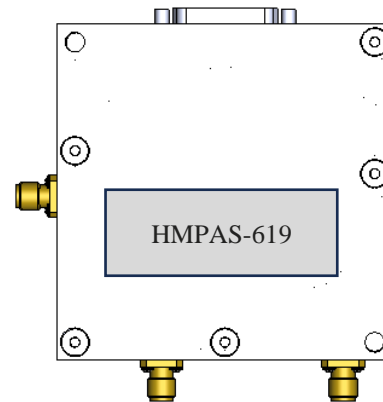


S- Band Variable PA -8W



Features

- Digitally configurable, variable Output Power from 1W to 8W
- Customizable to suit system requirements.
- Feature packed modular design.
- Coupled Output for DPD purposes.
- In-built temperature sensor
- In-built forward and reverse power detector
- SPI based Power control.
- Digital PA ON/OFF option to save power.
- Short circuit protection
- Suitable for SATCOM Applications
- Wide Input Supply Voltage range

Contact:

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Technical Specifications:

Parameter	Specification	Remarks
Frequency of Operation	2200-2300 MHz	Customizable in S-band
Output Power	+39 dBm(max)	Variable output power control from 1W to 8W
Input Voltage and Current consumption	5-30 V variable, 0.9 A max at 30V Vin	
PAE	45 % min	Irrespective of input voltage @ max O/P
Conversion Gain	39 dB	Max
Input power	0 dBm	Typical
DPD Coupled Power	-15 dBm	Customisable
RF Power Monitoring	Forward and Reverse	Forward and Reverse in Analog and Digital format. Analog outputs are buffered. (Range Customisable)
Current Monitor	Yes	Analog pin (buffered, Customisable)
Temperature Sensor	Yes	SPI based
RF PA Protection	Ensured	To prevent damage in Open load or short condition
RF Outputs	PA O/P and RF DPD O/P	
Dimensions	75 X75 X21 (in mm)	Maximum size
Operating temperature	-40 to +85 ° C	Industrial Standard

* - Specifications can be customised to meet specific system requirements with Frequency, Output power and I/Os.

The device qualifies for Mechanical Vibration, thermal cycling and shock as per JSS-5555 standards. It also is MIL-STD-461C EMI/EMC compatible.