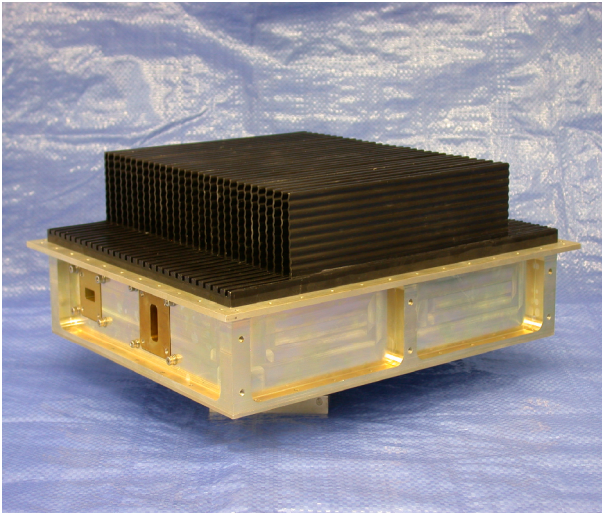




Dual Band 20W Linear Power Amplifier

MODELS: PA-9A7515A35-4255



The X and Ku band SSPA is a high power high gain amplifier suitable for SATCOM application. The SSPA covers frequencies of 9.5 to 10GHz for the X band and 13.75 to 15.35 GHz for the Ku band. The SSPA is operated with 28V/6A and delivers linear output power of 20W for the X band and 16W for the Ku band. The SSPA provides RF power detection of 35dB of dynamic range for each frequency band and it is calibrated to operate at temperatures of -40 to +50°C. Both bands are contained within one housing that can be easily mounted on a back of an antenna.

Frequency range	
X Band	9.75 – 9.95 GHz
Ku Band	13.75 – 15.35 GHz
Gain	55dB each band
Gain adjustment range	25dB
Gain flatness	±1dB for Ku Band ±0.5dB for X Band
Output power P1dB	+43dBm (20W) for X Band +42dBm (16W) for Ku Band at linear power for digital modulation
RF Input Connector	Single input N type
RF Output Connector	WR62 for Ku Band WR90 for X Band
VSWR IN/OUT	1.3:1 max.
Power Output Detection	35dB of dynamic range for each band
IMD3 @ P1dB	< -25 dBc
Spurious output	-60 dBc max.
Harmonics	-80 dBc max. at 1dB GCP
DC Power (Circular connector)	28 V @ 6.5A
Operational Temperature	-40°C to +50°C
Humidity	100% condensing
Size	13" x 11" x 5"
Weight	<18 lbs.
Local or Remote control	RS485
ITS Electronics Inc. Proprietary Information	

Specifications are Subject to Change without Notice
E & O E

Response, Innovation, Craftsmanship

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