CPI TWTAs: Efficient, Lightweight, Compact

COMPARE the 750 W Ku-Band Rack Mount Peak Power TWTA to a GaAs based 800 W SSPA

This chart compares CPI's Ku-Band 750 W Rack Mount Peak Power TWTA against a GaAs-based solid state amplifier, based on published data. For more information, contact your local CPI representative today or visit us at www.cpii.com/satcom.

	CPI VZU-6997 (L) Series TWTA		800 W GaAs-Based SSPA	
Operating Frequency	Up to 1225 MHz in Ku-Band	✓	Up to 875 MHz in Ku-Band	
PLINEAR *where IMD = -25 dBc or better with two EQUAL carriers*	290 w/lin		315 W (58.3 dBm)	✓
Power Consumption	1.5 kVA at PLINEAR	✓	7.0 kVA at PLINEAR	
Power Efficiency at Plin	19%	✓	4.5%	
Operating Cost per Year		✓	367% More Expensive	
Cost per Linear Watt		✓	276% More Expensive	
Heat Dissipation	1250 W max.	✓	6685 W nom.	
Weight	43 kg (98 lbs)	✓	140 kg (309 lbs)	
Size	5 RU	✓	16 RU	

Summary: CPI's 750 W Peak Power TWTA is much less expensive to operate than the SSPA, is 1/3 the weight, is 1/3 smaller, and produces nearly as much linear power.

Communications & Power Industries

satcom products