



RF-LAMBDA

The power beyond expectations

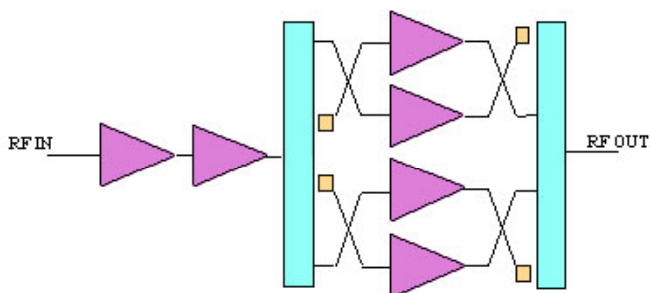
RFHPA450M500W

500W Ultra High Power TV Broadcasting Power Amplifier System



- Applicable TV broadcasting
- Aerospace and military applications
- High Peak to average handle capability
- High Linearity and low noise figure
- All specifications can be modified upon request

Electrical Specifications			
Frequency Range:	470MHz~800MHz	Power Handle	450W CW
IMD	<-48dBc (Pout=500W)	Type.	Class AB
Gain:	44dB	Output VSWR:	1.5 : 1
Flatness:	+/-0.8dB	Input VSWR:	1.5 : 1
Input Power	+14dBm (Max)	DC Voltage:	32V DC / 31A
Mechanical and Environmental Specifications			
Operation Temperature:	0°C to 40°C base plate	Mechanical shock	30G, 11mSec half sin wave, 3 axis both directions
Vibration:	14.2g RMS (15-2000Hz) functional	Humidity	95% relative humidity, 65°C 96Hour
	16.2g RMS (15-2000Hz) endurance, 1 hour per axis	MTBF	9,000 hour min
Connectors:	L16 or N	Case:	Metal case grey paint
	110V AC or 220V AC	Dimension Size (L x W x H):	13.62" X 3.43" X 16.54" 346mm X 87mm X 420mm



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