

RADITEK

RF POWER!

TELECOM

GaN and LDMOS POWER

Description	Frequency Bandwidth	Power Levels Up to
Broadband Modules	10 KHz - 8 GHz	600 Watt
Broadband Systems	10 KHz - 8 GHz	2000 Watt
General Communication Modules	0.1 MHz - 4.2 GHz	800 Watt
General Communication Systems	0.1 MHz - 4.2 GHz	2500 Watt
Matched Band Modules *	2 GHz - 18 GHz	300 Watt
Matched Band Systems *	2 GHz - 18 GHz	1000 Watt
Personal Communication Modules	Cell, GSM, PCS, iDEN, WiMAX, WLL	Various
Personal Communication Systems	Cell, GSM, PCS, iDEN, WiMAX, WLL	Various

3100 – 3500 MHz 1300 Watts Pulse

- **Solid-state Class AB**
- **Broadband**
- **Suitable for Pulse apps.**
- **Built-in control, monitoring & protection**
- **50 ohm**
- **High reliability and ruggedness**
- **Isolator output protection**



**250 Watt/ 625 Watt/
1250 Watt**

Perfect for high Crest factor modulation: ATSC television and OFDM Data services. Also, Hybrid AM/FM/digital broadcast and low-power local data transmission such as WiMAX, IPTV and MediaFLO.

	250 Watt	625 Watt	1250 Watt
Model	RADI- F1-F2-250W-G-28V	F1-F2-625W-G-28V	F1-F2-1.25KW-G-28V
Frequency Response	UHF Band	UHF Band	UHF Band
Power Output (average peak power)	250 Watts	625 Watts	1,250 Watts
Gain Adjustability	3 dB	3 dB	3 dB
Supply Voltage	28 ±2 VDC	28 ±2 VDC	28 ±2 VDC
Power Consumption	21 amps (peak)	53 amps (peak)	105 amps (peak)
Dimensions W x H x D (inch)	19"W x 9"H x 20"D	19"W x 23"H x 20"D	19"W x 49"H x 20"D
Output Regulation	Feed Forward/ Feedback	Feed Forward/ Feedback	Feed Forward/ Feedback
Modulation Capability	8VSB-OFDM-DVB-WIFI-WiMAX-HD Radio	8VSB-OFDM-DVB-WIFI-WiMAX-HD Radio	8VSB-OFDM-DVB-WIFI-WiMAX-HD Radio

**500 – 2500 MHz
100 Watts**

Suitable for broadband mobile Jamming and band specific high power linear applications in the P/L/S frequency bands.



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TWTA & KLYSTRON POWER



DEEP SPACE COMMS

>20KW CW C and X band

Auto tuned KLYSTRON

Coolant to Air heat exchanger

RADAR

15KW Pulsed C band

GROUND PRECISION

**Tracks >6 aircraft
over 35 m range**

RTWTA-XB-15KW-R01



R-ECM MOBILE mount

2-18GHz 500W

Jamming, Deception

MIL-STD-461, -810, RS,

CE, CS



EMC Testing

250KW Peak UHF

WIDEBAND!

3 Peak Power

TETRODES

**1-1000 pulses per
second**

To 250 μ s pulses



On-ship Satellite Comms.

2250W X-Band TWTA

**CE certified, MIL-STD-
810E std.**

MIL-STD-450E standards

Medical Industrial POWER

Triode Gun Modulators

- Highest stability, low jitter
- interleaved level control.
- Modular architecture

Troposcatter Comm.

**2200 Watt C-Band
(4.4 – 5.0 GHz) KPA**