

# 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  $\mu$ 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**