

Magnetron & Klystron S-Band

Single and dual-polarity configurations • 850kW to 1000kW of radiated power

2700-3000 MHz 0.2 - 2.0 usec Minimum 16m 200-2400 Hz, user selectable Minimum 600km up to 256 m/s - 20 dBz at 30 km ≥ 46 dB UZ, Z, V, SW (dual-polarization moments Zdr, Phv, Фdp, KDP, LDR) Parabolic, Prime Focus Reflector 8.5m (typical) - other sizes available	2700-3000 MHz / 3500-3600 MHz 0.4 - 4.5 usec Minimum 16m 200-2400 Hz, user selectable Minimum 600km up to 256 m/s - 20 dBz at 30 km ≥ 55 dB UZ, Z, V, SW (dual-polarization moments Zdr, Phv, Фdp, KDP, LDR)
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	Parabolic, Prime Focus Reflector
> 1E 0 dD	8.5m / 6.096m (typical) - other sizes available
> 45.0 dB	> 45.0 dB
0.95°	0.95°
Linear Horizontal/Vertical	Linear Horizontal/Vertical
≤ 0.05°	≤ 0.05°
Up to 10 rpm	Up to 10 rpm
High-Power Coaxial Magnetron	Klystron
850kW / 1000kW	850kW / 1000kW
Superheterodyne, Single or Dual Down Conversion with Image Reject Mixing	Superheterodyne, Single or Dual Down Conversion with Image Reject Mixing
- 114 dBm typical	- 114 dBm typical
Up to 105 dB	Up to 105 dB
16-bit Modular, multi-channel Digital Receiver, Signal Processor	16-bit Modular, multi-channel Digital Receiver, Signal Processor
up to 8192	up to 8192
as low as 16m	as low as 16m
Processing (STEP) - An advanced adaptive clutter	Time Domain or Spectrum-Based Time Estimation and Processing (STEP) - An advanced adaptive clutter identification, mitigation and noise reduction algorithm
	PULSE
PULSE	FULSE
PULSE Commercial off-the-Shelf PC	Commercial off-the-Shelf PC
	Up to 105 dB 16-bit Modular, multi-channel Digital Receiver, Signal Processor up to 8192 as low as 16m Time Domain or Spectrum-Based Time Estimation and Processing (STEP) - An advanced adaptive clutter identification, mitigation and noise reduction algorithm