

1kW Automatic Antenna Tuner General Specifications

RF power input	1000 W, PEP or average
Duty cycle	All modes including data operation, within constraints of internal temperature (see temperature spec)
Frequency range	2 MHz to 30 MHz
Tuning range versus antenna type	5 metre whip: 3 MHz to 30 MHz 10 metre whip: 2.5 MHz to 30 MHz 25 to 50 metre long wires: 1.6 MHz to 30 MHz
Duty cycle	100% at 500 W PEP Voice 100% at 500 W ARQ 100% at 500 W FEC

Note: Effective tuning requires the installation of an efficient grounding system in conjunction with the antenna

RF tune power required	10 W
Tune time	3 to 5 S, first tune typical < 20 mS, memory tune
Input impedance	50 ohm
Input power requirements	28 V DC, 4 A peak, 1.8 A average
Tuning accuracy	1.5:1 VSWR typical
Memory channels	100
Temperature (operating)	-30° to +55°C (ambient inside case)

Note: This temperature can easily be exceeded if the case is exposed to direct sunlight. For FSK operation, it is important that the tuner is installed so that the case is not exposed to direct sunlight

Shock, vibration	MIL-STD 810G (with shock mount)
Immersion	Waterproof; immersion to 1 metre
Humidity, fungus, sand & dust, salt, fog	MIL-STD 810G
Controls and indicators	
Connectors	RF input, control input, RF output, grounding lug
Control interface	Specific to Barrett Communications series of HF transceivers

Specifications are typical. Equipment descriptions and specifications are subject to change without notice or obligation.