

ACOM A700S Specifications

- a) Rated output power: 700W +/-0.5dB, PEP or continuous carrier.
- b) Intermodulation distortions (IMD3): better than 31dB below the rated PEP output.
- c) Harmonic and parasitic emissions output suppression: better than 60dB (65dB typically).
- d) Input and output impedances: nominal value: 50 Ohm unbalanced, UHF (SO239) type connectors;
 - input circuit: broadband, SWR below 1.2:1 (1.1:1 typically); 1.8 – 54 MHz continuous range without retuning or switching;
 - RF by-pass path SWR - below 1.1:1, 1.8-54 MHz;
 - admissible SWR at the output load (the antenna): up to 3:1 with proportional power reduction and up to 1.5:1 for full output power;
- e) RF power gain: 14dB +/-1dB;
- f) Mains power supply voltage: 100V-240V without switching;
- g) Mains power consumption at full output power: 1350VA or less with a power factor of 0.95 or higher;
- h) Mains power consumption in Low Energy (waiting) mode: less than 1VA;
- i) Complies with EU safety regulations and electromagnetic compatibility standards, as well as with the US Federal Communications Commission (FCC) rules;
- j) Environment working conditions:
 - temperature range: -10 C to +40 C (14 F to 104 F);
 - relative air humidity: up to 95% @ 35 C (95 F);
- k) Dimensions (projections not included) and weight, operating: (D x W x H) 326 x 143 x 365 mm (12,8 x 5,6 x 14,2 In); 11.8 kg (26 Lbs).