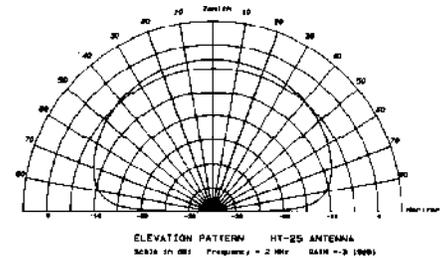


# HT-25A

- SHORT RANGE
- DUAL INPUT
- TRANSPORTABLE
- BROADBAND



## SPECIFICATIONS

### RF CHARACTERISTICS

Frequency Range	2 to 30 MHz
VSWR	
2 to 5 MHz	2.3:1 maximum
5 to 30 MHz	2:1 maximum
Impedance	50 Ohms unbalanced
Input Connectors	Type "N" (2 ea)
Power	1 kW avg/2 kW PEP
Polarization	Horizontal and Vertical
Isolation	40 dB typical, 22 dB minimum
Gain	
2 to 30 MHz	-3.2 dBi minimum 0 dBi avg
Patterns	
Azimuth	
2 to 16 MHz	± 1.0 dB Omnidirectional
16 to 30 MHz	± 2.4 dB Omnidirectional
Elevation	
Below 8 MHz	Gain max at Zenith
Above 8 MHz	Not lower than 20 degrees

### MECHANICAL CHARACTERISTICS

Deployed Size	260 ft diameter x 21 ft (79.3 x 6.4m)
Stowed Size	
Transit Case ( L x W x H )	38 X 15 X 13 <sup>-5/8</sup> in (.96 x .38 x .35m)
Transit Case ( L x W x H )	76 X 15 X 13 <sup>-5/8</sup> in (1.92 X .38 X .35m)
Weight	200 lbs
Finish	MIL-P-53039, Green 383, CARC

### ENVIRONMENTAL CHARACTERISTICS

Wind	86 mph (75 knots) operational
Snow and Ice	115 mph (100 knots) survival
Salt Fog	MIL-STD-810 Method 509.2
Altitude	
Operation	12,000 ft
Storage	40,000 ft
Solar Loading	360 BTU/hr/ft <sup>2</sup> at +65°C
Fungus	MIL-STD-454 Requirement
Vibration	MIL-STD-810 Proc. I
Shock (stowed)	33g, 33ms, 1/2 sine
Sand Dust	MIL-STD-810 Method 510.2 Proc. II
Rain	4 in /hr, 40 mph winds
Humidity	MIL-STD-810 Method 507.2 Procedure III
Temperature	
Storage	-62°C to +71°C
Operation	-54°C to +65°C

