

**YAGI ANTENNA
TM7 SERIES
HANDBOOK NO 49.70035**

**SECTION 2
SPECIFICATIONS**

2.1 Electrical Data

Frequency Range	Specified Single Channel (174-230MHz)
Bandwidth	7MHz
3dB Beamwidth (E)	44 degrees
3dB Beamwidth (H)	46 degrees
Front/Back Ratio	20dB
Gain	11dBd
Maximum Power	500W
Return Loss	greater than 20dB over specified channel
Connector - TM7	N type female
Connector - TM7P	7/8 inch EIA

2.2 Mechanical Data

The following data is typical , but may vary slightly with design frequency.

Frequency (MHz)	176
Weight (kg)	8
Boom Length (m)	2.82
Reflector Length (m)	0.9
Effective are (m ²)	0.38
Wind Rating (km/hr)	200

2.3 Pressurisation (TM7P only)

Test	100kPa
Operational	20 to 35kPa (50kPa max)