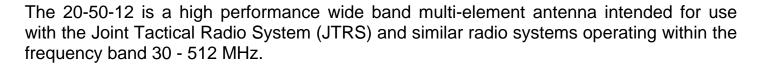


20-50-12 NSN 5985-99-181-0700 JTRS Antenna 30 to 512 MHz

FEATURES

- Covers all operating portions of 30-512 MHz
 JTRS frequency band
- Efficient decoupling circuits maintain radiation pattern throughout frequency band
- Rugged construction for mobile applications
- No tuning required
- Meets MIL-STD-810 environment
- 100 Watts power handling
- Excellent gain maintained by passive impedance matching throughout frequency band
- Detachable top element
- Tri-pod legs fold back for stowage and transportation



The antenna comprises a tripod mounted wide band monopole with proprietary matching circuits that cover VHF and UHF frequency band. Decoupling techniques are employed to optimize radiation patterns throughout the entire frequency band.

Construction comprises a base element with detachable top VHF element having all matching circuits foamed-in-place to provide maximum strength and reliability.

Cooper Antennas Ltd for non-USA customers

Thames Industrial Estate, Unit K, Fieldhouse Lane, Buckinghamshire SL7 1TB, UK

Tel: +44 (0) 1628 482 360

Email: sales@cooperantennas.com

www.cooperantennas.com



Australian Representatives ROJONE, PTY LTD.

Tel: 02 9829 1555 E: sales@rojone.com.au www.rojone.com.au

SPECIFICATIONS

Cooper Antennas Model 20-50-12 JTRS Antenna NSN 5985-99-181-0700

Electrical Specification

Frequency: 30 to 512 MHz

Gain (typical at beam maximum):

30 MHz -3 dBi 88 MHz -1 dBi

108 – 174 MHz 0 dBi average 225 – 512 MHz 0 dBi average

VSWR (to 50 ohms):

30 - 88 MHz 3.0:1 max. 118 - 174 MHz 2.5:1 max. 225 - 450 MHz 2.5:1 max. 451 - 512 MHz 3.0:1 max.

Impedance (nominal): 50 Ohms

Power: 100 Watts CW

Polarization: Vertical
Antenna RF Connector: N Female
Operational Temperature: -40°C to +71°C

Mechanical Specification:

Fixings: Tripod mounted

Overall height: 115 inches (2921mm)

36 inches x 8 inches (915mm x 203mm)

Weight: 10lbs (4.55kg)

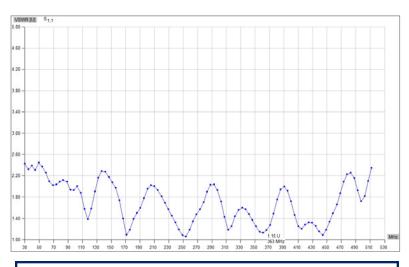
Finish Specification:

Stowed Size:

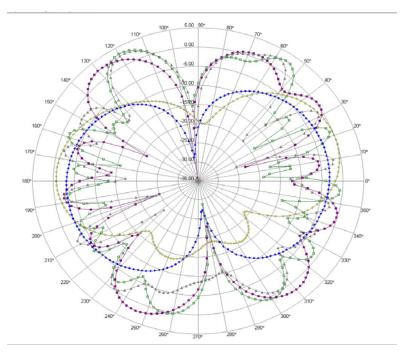
Urethane Lusterless Black

Other finish options are available.

Please specify finish required when ordering.



VSWR



Elevation radiation patterns (30, 90, 225, 400, 512 MHz)

Note: Cooper Antennas Ltd has a policy of continuous product improvement and data herein is therefore subject to change.

Please check with Cooper Antennas Ltd that this data sheet is at latest issue before initiating contract activity.