

7m Integrated Antenna Mast (IAM)

- 30-88MHz and 225-512MHz
- VHF and UHF capability integrated into Dual Band Mast
- Fast, compact, lightweight, effective solution for dismounted communications

Perkins Technical Services
 1318-B Putman Drive
 Huntsville, AL 35816
 877-737-5832
 info@pts-inc.com

System Name	7m IAM Dual Band System	7m IAM VHF System
System Part Number	ANT-RTL-307005-1-1	ANT-RTL-307003-1-1
Frequency Range	VHF 30 - 88MHz UHF 225 - 512MHz	30 - 88MHz
Power Rating	VHF 30W UHF 50W	VHF 30W
Impedance	50 ohms nominal	50 ohms nominal
VSWR	VHF <2.8:1 UHF <2.0:1	VHF <2.8:1
Antenna Format	Vertically Polarised Dipole	Vertically Polarised Dipole
Radiation Pattern	Omnidirectional	Omnidirectional
Deployed Height	7m (22.3ft)	7m (22.3ft)
Deployed Tube ID	78mm (3")	78mm (3")
Packed System Volume (W x H x D)	280 x 280 x 400mm (11" x 11" x 16")	280 x 280 x 400mm (11" x 11" x 16")
Packed System Weight	8.2kg (18lbs)	8.2kg (18lbs)
Nominal Gain	2.2 dBi	2.2 dBi
RF Connection Cable	VHF - 3m length TNC (m) UHF - 3m length TNC (m)	VHF - 3m length TNC(m)
System Contents	1 x 7m Mast (Multicam) 1 x Top Collar 3 x Top Collar Guy Ropes 1 x Secondary Cuff 3 x Secondary Cuff Guy Ropes 1 x Base Cap 1 x VHF connection cable 1 x UHF connection cable 9 x Rock Pegs 1 x BNC(m) to TNC(m) 1 x BNC(m) to N-Type(m) 1 x TNC(m) to BNC(m) 1 x TNC(m) to N-Type(m) 1 x Bag	1 x 7m Mast (Multicam) 1 x Top Collar 3 x Top Collar Guy Ropes 1 x Secondary Cuff 3 x Secondary Cuff Guy Ropes 1 x Base Cap 1 x VHF Connection Cable 9 x Rock Pegs 1 x BNC(m) to TNC(m) 1 x BNC(m) to N-Type(m) 1 x Bag
Construction and Finish	Mast Body: Polypropylene-glass fiber composite with integrated dipole antenna External Finish: Nylon woven fabric cover (Cordura 500 denier) in black or MTP	



Environmental Performance Compliant with the relevant sections of MIL-STD810G

We are an expeditionary communication solutions provider actively answering customer challenges and delivering innovative and cost-effective solutions.

