



MANPACK

Helical Antenna

MODEL SAT-MP-320

TACO's high gain Manpack Antenna is designed for UHF SATCOM-on-the-move communications. The SAT-MP-320 covers the entire frequency band 240-400 MHz with 12 dBic gain. This single piece foldable antenna and tripod unit deploys in under one minute with no additional parts. Built to military standards, this rugged yet small antenna includes a durable nylon carrying bag.

Electrical Specifications

FREQUENCY RANGE	240-400 MHz
GAIN (dBic)	12
VSWR	(Maximum) 1.75:1
	(Typical) 1.3:1
POLARIZATION	Circular Right Hand
CROSS POL. REJECTION	20dB
HPBW	68 degree
IMPEDENCE	50 Ohm
BACK TO FRONT RATIO	24 dB
CONNECTOR	BNC Male
MAXIMUM POWER	200 Watts Max
OPERATING TEMPERATURE	-40 to 180 F (-40 to 80 C)
STORAGE TEMPERATURE	-70 to 200 F (-57 to 93 C)

Complies with MIL STD 210C and MIL STD 810G
Patent Pending No. 61/405694



Carrying Bag and cables

- 12.5' low loss cable
- Connectorized
- BNC male
- BNC female

Mechanical Specifications

LENGTH: COLLAPSED	20 in. (50.8 cm)
DEPLOYED	43.5 in. (110.5 cm)
TOTAL WEIGHT	5.5 lbs. (2.5 kg)
COLOR	Dull Black

Wind Load Specifications

WIND AREA (NO ICE)	1.33 SQ. FT.
WIND LOAD (NO ICE)	51.6 FT-LBS.
WIND RATING	80 M.P.H. with ballast

TACO Antenna's policy of continuing development may result in changes to its products.

US AND INTERNATIONAL SALES AGENT

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