

3504-100

CHELTON

0.5 Metre Manpack Tape Antenna

The 3504-100 0.5 Metre Manpack Tape Antennas has been designed for manpack radio applications, operating in the frequency band 100 MHz to 400 MHz.

This compact antenna is suited for combat conditions where physical restriction on operator and radio is undesirable.

The antenna is constructed from a number of stainless steel tape elements, sheathed in a protective durable sleeve.

The antenna is supplied with an Antenna Matching Unit (AMU) optimised over the full operating band.

The radio interface end of the AMU can be tailored to the radio manufacturer's bulkhead interface.



ELECTRICAL

Frequency Range	100 MHz - 400 MHz
Gain	≥ -9 dBi
Polarisation	Vertical when mounted vertically
Radiation Pattern	Essentially omnidirectional in azimuth
Power Rating	15 W cw (100 MHz - 120 MHz) 20 W cw (120 MHz - 400 MHz)
Impedance	50 ohm (nominal)
VSWR	≤ 3.5:1
Connector	N Type Male

MECHANICAL

Height	0.5 m
Weight	164 g
Mounting Configuration	164g
Mounting Configuration	Directly to radio bulkhead connector/ interface

Environmental

Temperature	Storage: -55°C to +85°C Operational: -40°C to +70°C
Humidity	Up to 95% RH up to 55%

