

3500 SERIES

CHELTON

VHF/UHF Broadband Manpack Tape Antennas

The 3500 Series of VHF/UHF Broadband Manpack Tape Antennas has been designed for manpack radio applications, with suitable radio antenna tuner unit, operating in the 30 MHz - 512 MHz frequency band.

These compact antennas are suited for combat conditions where physical restriction on operators and radios is undesirable.

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

The tape 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 manufacturers' bulkhead interface.



ELECTRICAL

Frequency Range	30 MHz - 512 MHz
Power Rating	15W (CW) at 55°C (30 MHz - 512 MHz) 20W (CW) at 55°C (120 MHz - 512 MHz)
Connection	3500-100-01 - BNC Male with M16 x 0.75 retaining thread 3500-101-01 - TNC Male 3500-102-01 - N Type Male 3500-103-01 - BNC Male
Impedance	50 Ohm
VSWR	≤ 3.5:1 (subject to groundplane)
Radiation Pattern	Omnidirectional
Polarisation	Linear vertical

MECHANICAL

Design	Broadband monopole flexible tape with AMU
Height	0.5m
Weight	164g
Finish	Matt black

