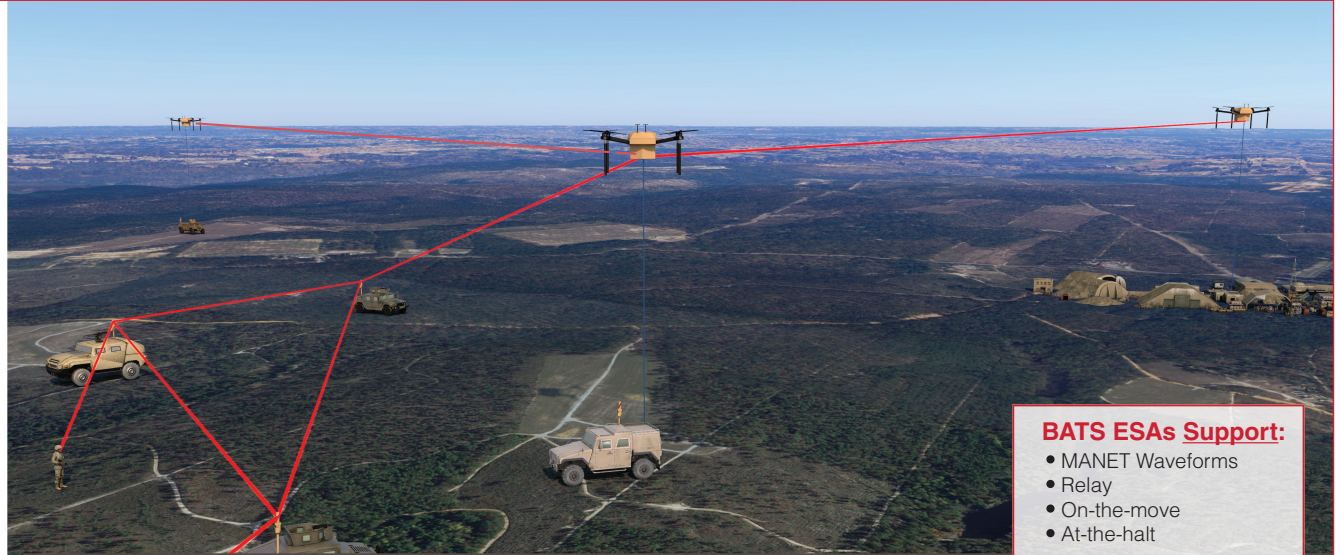
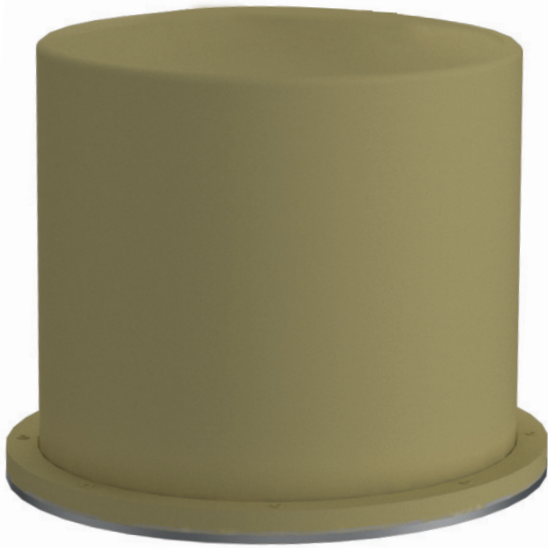


PRODUCT SPECIFICATIONS

BTS-MBE-3LS02



BATS ESAs Support:

- MANET Waveforms
- Relay
- On-the-move
- At-the-halt

BATS ESAs Provide:

- Anti-Jam
- LPI/LPD
- Range Extension
- Increased Data Capacity
- Improved Aerial Tier

Software Defined Electronically Steered Beam Forming Antenna

Intelligent software algorithm to enable mobile MANET MESH networking radio platforms in tactical applications. Provides low probability of intercept and detection (LPI/LPD) as well as anti-jam through narrow directional antenna beams. Greatly increases link distance and data capacity through high gain antenna beams. Allows for the use of Band II / Band III+ NATO operating frequencies in one antenna.

High Performance Antenna

Ultra-fast (sub- 500ns) antenna speed when beam forming and steering beams. Radio agnostic algorithm allows for any commercial or tactical radio platform to be COTS for any installation type. The solid-state and compact FAST antenna proves ideal for highly-mobile environments where only Omni antennas are typically considered.

Unparalleled Outdoor Performance

Broad temperature range, (-40° to 60° C), built to withstand environmental extremes, sealed, gasketed enclosure mitigates potential water ingress issues. Solid - state design dramatically increases durability, and eliminates potential points of failure due to repeated mechanical movement. Small install footprint where minimal space is available, such as on a vehicle or small vessel.

Deep Ecosystem Integration

The BATS alignment and tracking software (ATS) algorithm has been developed through years of experience in providing broadband wireless in highly directional and mobile platforms. BATS innovative ATS delivers best-in-class system performance without the need for GPS. When paired with MANET MESH microwave radios, the ATS fast link acquisition ensures robust link quality in very dense (10+) radio networks



www.batswireless.com

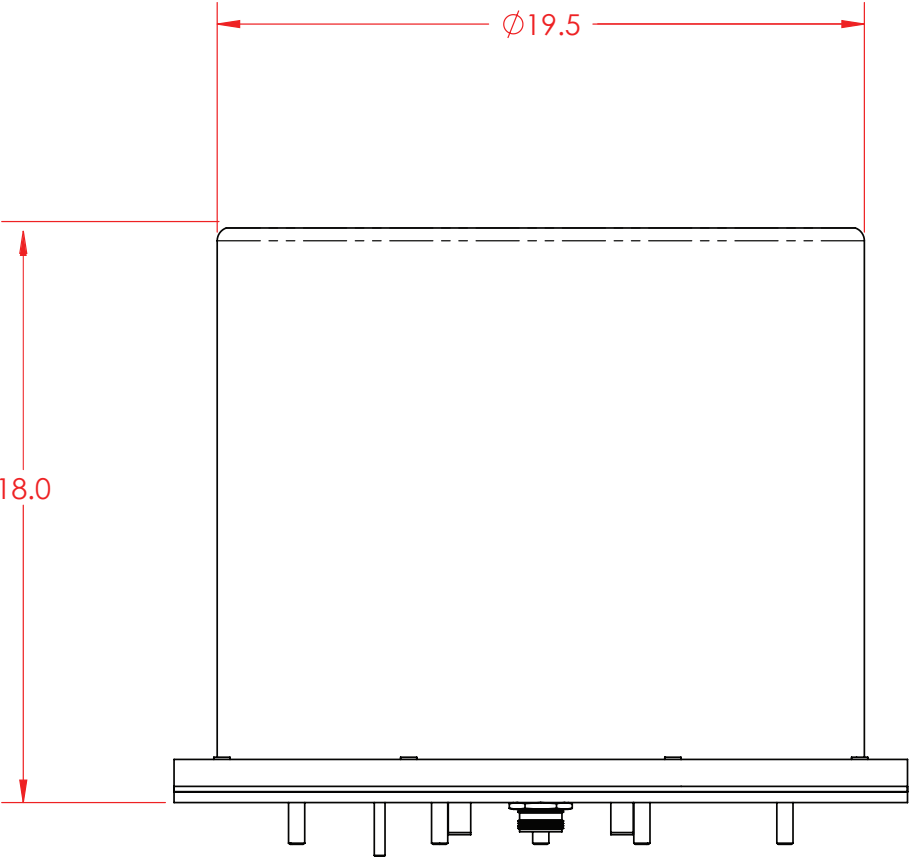
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Military Sales & Inquiries

Sales +1-888-955-8228 x105
Support +1-317-500-4506
Email mil.sales@batswireless.com

PRODUCT SPECIFICATIONS

BTS-MBE-3LS02



Specifications			
BTS-MBE-3LS02 - Multi-beam Electronic Steerable Antenna			
FREQUENCY (MHZ)	1350-1525	1710-1850	2025-2310
POLARIZATION	V + H	V + H	V + H
GAIN (PEAK)	9 dBi	12 dBi	12 dBi
AZIMUTH BW (NOMINAL)	61°	50°	62°
ELEVATION BW (NOMINAL)	24°	21°	16°
VSWR	2.0:1 Typical (2.5:1 Max)		
AVAILABLE BEAM MODES	Single or Multibeam Mode		
RF POWER INPUT	+36 dBm		
Physical Specifications			
DIMENSIONS	18" x 19.5" (457mm x 495mm)		
WEIGHT	40 lbs (18kg)		
ENVIRONMENTAL	IP66 / Operating:-40 to 60°C / Storage:-40 to 70°C		
POWER	24VDC High Power PoE		
CONNECTORS	RF: 4x N-Type		
	INTERFACE: 1x RJ-45 / RS-232 (Optional)		
MOUNTING	Multiple Mounting Options Available		



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