

Rugged Unmanaged 8 Ports, Ethernet Switch

Airborne Unmanaged Switch

The AHS is a stand-alone miniature rugged 8 ports of 10/100BaseTX Ethernet unmanaged Switch. The AHS is an easy to use Switch, with Plug & play connectivity, that allows TCP/IP LAN broadening of existing Military systems.

It is easy to install with a Quick Release Airborne oriented Tray and reliable interface via MIL-STD-38999 Military Connectors.

Specifications

- 8 port 10/100BaseTX Ethernet Switch
- Unmanaged Operation
- Supports Full/Half Duplex Operation
- Auto Sensing Speed and Flow Control
- MDIX Auto Cable Sensing
- Plug & Play installation
- Full Wire Speed Communications
- Store-and-forward Technology
- Compact, Space Saving Rugged Package
- Full IEEE 802.3 Compliance
- Up to 1.6 Gb/s Maximum Throughput
- ESD Protection Diodes on Ports

Surge Protection Diodes on Power Inputs

Dimensions

172Lx143Wx 56.6H [mm] with Tray
Weight 800gr

Power Supply requirements

18-36VDC per MIL-STD-704D.



Environment

The cooling of the AHS is accomplished by heat natural convection from its surface.

Temperature:

The AHS will not be damaged or affected by the effects of ambient air temperature as follows:

Operating

The AHS meets performance requirements specified herein after exposure to temperatures from -40° to +71°C

Non-operating

Storage/transportation) from -54° to 85°C.

Relative humidity

Operating

95% relative humidity (RH) with no condensation.

Non-operating

95% RH.

ETI Services Inc.

CAGE CODE: 1PZ92

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Vibration

According to MIL-STD-810F for airborne environment.

Shock

According to MIL-STD-810F, 40g for duration of 11msec.

Fungus

The AHS is non-nutrient to fungus growth according to the requirements in MIL-STD-810F.

Sand and Dust

The AHS operates as specified herein while and after being subjected to sand and dust as encountered in dry arid areas according

Salt Fog:

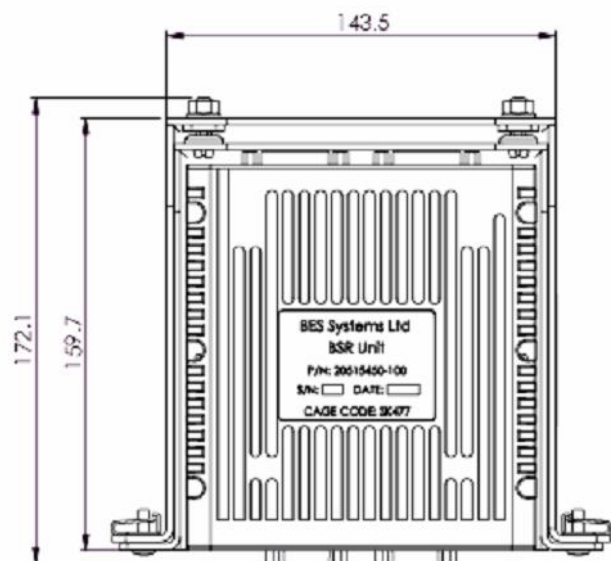
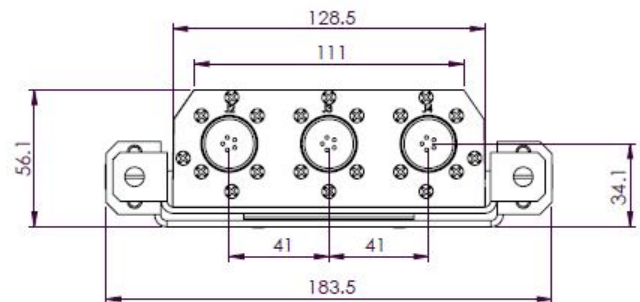
The AHS is resistant to the corrosive effects of salt fog environment according to MIL-STD-810F.

Electromagnetic Interference

The AHS as specified complies to the requirements of MIL-STD-461E.

Reliability:

The AHS has an MTBF of 30,000 hours at 40°C . Mean Time To Repair (MTTR) does not exceed 30 minutes.



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