

**TETRA REDUNDANT SWITCH**

- **2 INDEPENDENT IN AND OUTPUTS**
- **FULLY AUTOMATIC SWITCH OVER**
- **ETHERNET MONITOR AND CONTROL**
- **COMPACT SIZE**

This redundant switches is intended to use in 400 MHz indoor TETRA systems where reliability is of high importance. It can monitor two independent TETRA source and in case of failure it automatically split the output power of the working input to both outputs.

As a part of the monitoring system beside the power level measurement it also supports the various cable surveillance systems.

Supplied in a compact box. The unit can be monitored and set by local and remote control software.

**Electrical characteristics:**

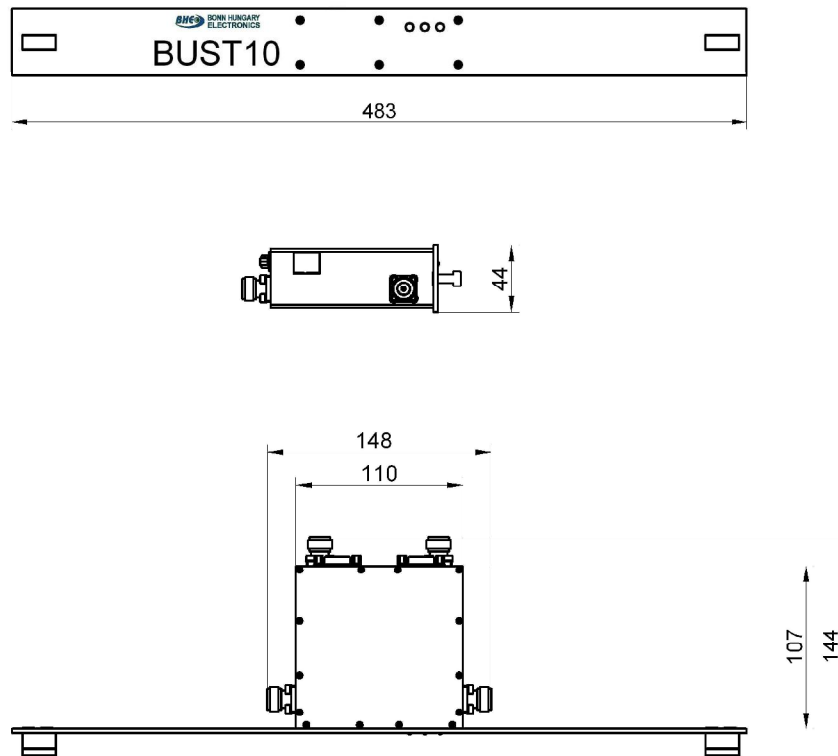
Frequency Range	350-550 MHz
Inputs	TETRA-1, TETRA-2
Input Power	39 dBm maximum per inputs
Insertion loss (Direct way)	1.6 dB typical
Insertion loss In active redundancy (reserve) mode	4.5 dB typical
Input IP3	+62 dBm typical
Outputs	Two switchable RF outputs with DC power TETRA-1 input switched to Output-1 (direct) TETRA-1 input switched to Output-1 and Output-2 (reserve) TETRA-2 input switched to Output-2 (direct) TETRA-2 input switched to Output-2 and Output-1 (reserve)
Output DC current on RF output	1A maximum, +12V, self recovery fuses on the outputs
Control	Ethernet (Webserver) and/or RS232 (optional)
DATA Input / Output (optional)	4 TTL Data in and 4 TTL Data out (via opto-isolators), programmed by the factory
Connectors (rear side) RF inputs/outputs RS232 Data in/out Ethernet	N female DSUB-9 female DSUB-9 male RJ45 standard Ethernet connector
Front signals	LEDs for TX1 and TX2 signals and Status
Power supply	+12 V DC
Dimensions	107 mm x 110 mm milled aluminium box assembled with 1U high 19" wide front cover
DC connector	Phoenix EMSTB 2,5 / 3 pole male (male connector at rear side of the switch unit)



**BUST10**

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**Outline dimensions (mm):**



**Picture:**

