

Attenuator Unit PAH-8000x3/LT4

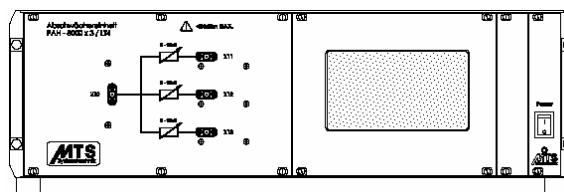
MTS-No.: 69.00.0410

Application

With this Attenuator Unit it is possible to test mobile communication equipment. It can be used for example for emulating the air interface.

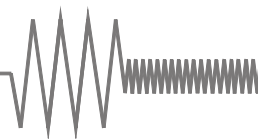
Description

This Attenuator Unit is equipped with 3 programmable attenuators model PAH-8000/93 which are combined to one output. The unit can be controlled by IEEE488, RS-232 or LAN-interface. A manual control with touch panel is included.



Characteristics

- ▶ Usable for all frequencies between 400 MHz and 2900 MHz, such as GSM / DCS / DECT / UMTS etc.
- ▶ 3 Programmable attenuators combined to 1 output
- ▶ Attenuation range from 0 dB to 93 dB in 1 dB steps
- ▶ Controlled by IEEE488, RS-232 or LAN-interface
- ▶ Manual control with touch panel
- ▶ Optional: interfaces and connectors to customer's specifications
- ▶ Attenuator Units can be designed according to customer's individual requirements



Attenuator Unit PAH-8000x3/LT4

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Configuration:

3 pcs. programmable attenuators PAH-8000 and 1 power divider LT4

Technical data:

1 RF-specifications:

| | |
|---|--|
| 1.1 Impedance | 50 Ω |
| 1.2 Input power | +24 dBm max. |
| 1.3 Frequency range | 400 MHz – 2900 MHz |
| 1.4 RF-connections | SMA female |
| 1.5 Switching time | 50 ms max. |
| 1.6 VSWR In | 2,0 : 1 max. |
| 1.7 VSWR Out | 2,0 : 1 max. |
| 1.8 Isolation | On request |
| 1.9 Insertion loss | 15 dB max. from X10 to X11,X12, X13 (at 0 dB attenuation) |
| 1.10 Attenuation | 0 dB – 93 dB in 1 dB steps |
| 1.11 Gradation | 1 dB / 2 dB / 4 dB / 8 dB / 16 dB / 30 dB / 32 dB |
| 1.12 Setting accuracy 400 – 2900 MHz | 1 dB - 29 dB ±1,5 dB 30 dB - 79 dB ±3,0 dB 80 dB - 93 dB ±6,0 dB |

2 Connections:

| | |
|----------------|---|
| 2.1 Front side | Power supply switch with integrated control lamp RF-connections |
| 2.2 Rear side | Power supply Control card Appliance plug with the integrated fuses F1 and F2 Ground connector Control interfaces |

3 General specifications:

| | |
|----------------------|--|
| 3.1 Power supply | 100 V – 240 V 50 Hz / 60 Hz |
| 3.2 Internal voltage | 5 V DC |
| 3.3 Control displays | Control lamp in power switch Control LED for 5 V DC at the power supply unit |

| | |
|--|---|
| 3.4 Control interfaces | Manual control (touch panel) IEEE488 LAN RS-232 |
| 3.5 Power consumption primarily | 0,1 A @ 230 V |
| 3.6 Voltage supply | Standard rubber connector |
| 3.7 Operating temperature | 0 °C to +50 °C |
| 3.8 Reference temperature for specifications | +25 °C |
| 3.9 Dimensions | 19"-unit x 3 HU x 425 mm (dimensions without handles and connections) |
| 3.10 Colour | Front side: colourless anodized Rear side: colourless anodized |
| 3.11 Weight | 5,8 kg |

4 Delivered parts:

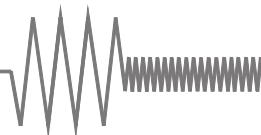
PAH-8000x3/LT4
Power cable
Operating manual (on CD)

5 Comments:

| | |
|----------------|-----------|
| Warranty | 12 months |
| RoHS-compliant | Yes |

6 Recommended accessories:

Shielding box of the
series MSB-02xx
RF-cables



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Views:

