



Programmable Attenuator PAH-8000/93-TTL

MTS-No.: R55.25.0042

Short description

The Programmable Attenuator PAH-8000/93-TTL is based on semiconductor devices. It has been developed for the use between 200 MHz and 6000 MHz. The attenuation of this unit is adjustable, continuously and without breaks from 0 to 93,5 dB in 0,5 dB steps.

This attenuator can be used very flexible because of its compact design and the controlling via TTL (8 Bit parallel).



Technical data:

1 RF-specifications:

1.1 Impedance	50 Ω
1.2 Input power	+24 dBm max.
1.3 Frequency range	200 MHz - 6000 MHz (200 MHz - 8000 MHz on request)
1.4 RF-connections	SMA female
1.5 VSWR In / Out max.	200 MHz - 1800 MHz 2,7 : 1 1800 MHz - 3000 MHz 1,4 : 1 2900 MHz - 5000 MHz 2,7 : 1 5000 MHz - 6000 MHz 2,0 : 1
1.6 Insertion loss max.	200 MHz - 3000 MHz 10 dB 2900 MHz - 6000 MHz 11 dB
1.7 Linearity	200 MHz - 1800 MHz ±1,5 dB 1800 MHz - 3000 MHz ±0,4 dB 2900 MHz - 5000 MHz ±1,5 dB 5000 MHz - 6000 MHz ±0,5 dB
1.8 Attenuation	0 dB – 93,5 dB in 0,5 dB steps
1.9 Gradation	0,5 dB / 1 dB / 2 dB / 4 dB / 8 dB / 16 dB / 30 dB / 32 dB
1.10 Setting accuracy	0,5 dB ±0,2 dB 200 MHz - 3000 MHz 1 dB – 1,5 dB ±0,4 dB 2 dB – 2,5 dB ±0,8 dB 3 dB – 9,5 dB ±1,0 dB 10 dB – 29,5 dB ±1,5 dB 30 dB – 69,5 dB ±3,0 dB 70 dB – 79,5 dB ±3,0 dB 80 dB – 89,5 dB -3,0 dB + 6,0 dB 90 dB – 93,5 dB ±1,0 dB
	2900 - 6000 MHz 0,5 dB ±0,2 dB 1 dB – 1,5 dB ±0,4 dB 2 dB – 2,5 dB ±0,8 dB 3 dB – 9,5 dB -1,0 dB + 1,5 dB 10 dB – 29,5 dB -1,5 dB + 2,0 dB 30 dB – 69,5 dB -3,0 dB + 3,5 dB 70 dB – 79,5 dB -3,0 dB + 5,0 dB 80 dB – 89,5 dB -5,0 dB + 8,5 dB 90 dB – 93,5 dB -10 dB + 20,0 dB

2 Connections:

2.1 RF connectors	SMA female
2.2 Control connector	12pole male, type SMC Erni

3 General specifications:

3.1 Internal voltage	5 V DC ± 5 %
3.2 Power consumption	20 mA max.
3.3 Control	8 Bit parallel (TTL)
3.4 Operating temperature	-10 °C to +50 °C
3.5 Storage temperature	-20 °C to +100 °C
3.6 Reference temperature for specifications	+25 °C
3.7 Cooling	Not necessary
3.8 Dimensions (without connections) (LxWxH)	56,4 x 48,7 x 11 mm
3.9 Case style	Milled aluminium enclosure
3.10 Colour	SurTec650 (chromit Al)
3.11 Weight	0,3 kg

4 Delivered parts:

PAH-8000/93-TTL
CD with operating manual

5 Comments:

Warranty	12 months
RoHS-compliant	Yes

6 Recommended accessories:

RF-cables
Processor card