VSA-090-06-6-UE-S

6-Channel Programmable RF Attenuator

Programmable RF attenuation for six independent channels over 50 MHz to 6 GHz. USB and Ethernet control support fixed-level and attenuation-profile applications.

6 independent channels	**0-90 dB attenuation**	**0.5 dB step**

RF characteristics

Parameter	Condition	Min.	Typ.	Max.	Unit
Frequency range	-	50	-	6000	MHz
Impedance	-	-	50	-	Ω
Attenuation range	-	0	-	90	dB
Attenuation step	-	-	0.5	-	dB
Attenuation accuracy	0.5-20 dB	-	±0.25	±0.75	dB
Attenuation accuracy	20-40 dB	-	±0.5	±1	dB
Attenuation accuracy	40-63 dB	-	±0.6	±1.25	dB
Attenuation accuracy	>63 dB	-	±0.8	±1.5	dB
Insertion loss	<2.5 GHz	-	7	7.5	dB
Insertion loss	<5 GHz	-	10	10.5	dB
Insertion loss	<6 GHz	-	11	11.5	dB
VSWR	-	-	1.5:1	2:1	-
Input-output isolation	-	95	100	-	dB
Channel-to-channel isolation	-	70	75	-	dB
RF input power	-	-	-	+26	dBm
Input IP3	-	50	55	-	dBm

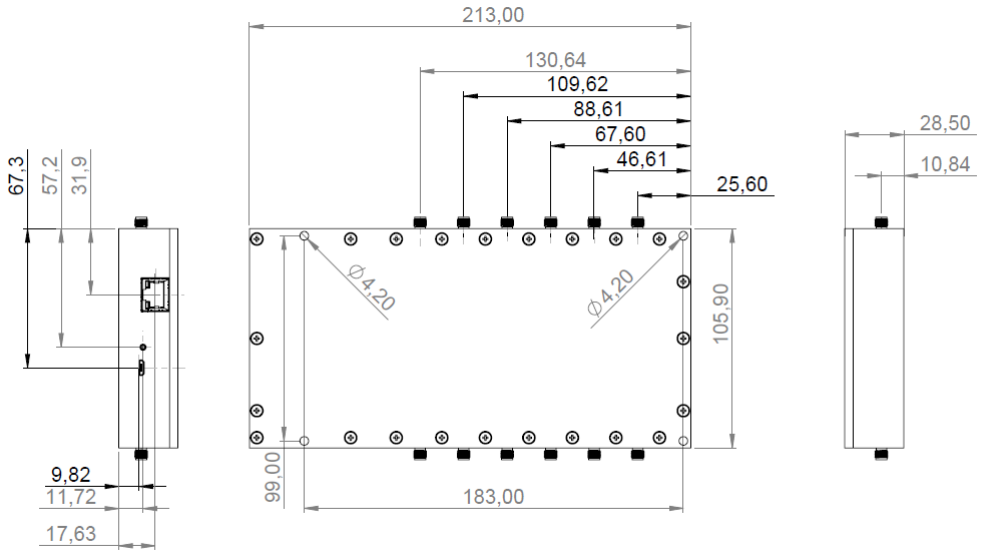
Min., Typ. and Max. retain the value categories of the source table. No additional test conditions are assumed where none are stated.

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Interfaces and integration

Interfaces and physical information

Independent channels	6
Control	USB / Ethernet
Power supply	5 V DC (USB)
RF connector	SMA (f)
Source body dimensions	213 x 105.9 x 28.5 mm
Mass	520 g



Source mechanical drawing; dimensions in mm.

Applications

- Controlled RF path-loss tests
- Multi-channel MIMO setups
- Automated test sequences

Configuration information

Technical values refer to the identified source configuration. The applicable configuration and operating conditions are confirmed at quotation.