

Product Information

Antenna Matching Unit AAPG Series

The antenna matching unit (AAPG) correctly matches the complex impedance of an antenna to the transmitter over a wide frequency range. No retuning of the matching elements is required during operation. In general, the antenna matching unit does not require operational actions by the user.



Depending on the application and customer requirements, different housings are available.

The housings are robust, fully sealed and meet all environmental requirements for exposed locations even in the harsh conditions at sea.

The robust devices consist of a cast housing with a removable cover. There are cases with side panels and lids, cast in the form of cooling fins and with transport handles on the front and rear ends, which also serve as stand-off protection.

The AAPG series is modular in design, which ensures easy repair and replacement of components.

A dome insulator is attached to the front of the housing. Protruding bolt serves as antenna connector. At the rear or side end of the housing is a ground connection and a coaxial jack (preferably 7/16 inch) for connecting the transmitter to the device.

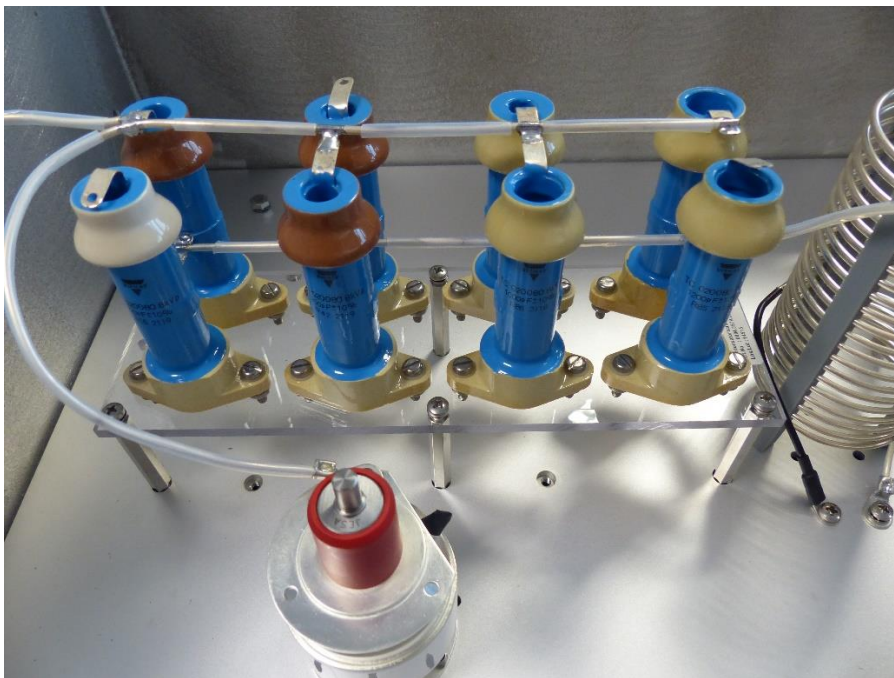
The antenna matching units of the AAPG series are manufactured according to application or customer specification.

Brief Technical Data

Parameter	Data
Dimensions (W x H D)	500 x 374 x 989 mm (Height incl. shock absorbers)
Weight	approx. 60 kg
Colour	RAL 7000 / RAL 7001
Ambient temperature	-10°C ... +60°C
Storage temperature	-55°C ... +85°C
Humidity	100%
Frequency range	1-30 MHz
Input power	Typ. 1000 - 5000 W
RF input	7/16 socket
Input impedance	50 Ω, VSWR < 3
Antenna connection	Insulator with bolt for clamp M8

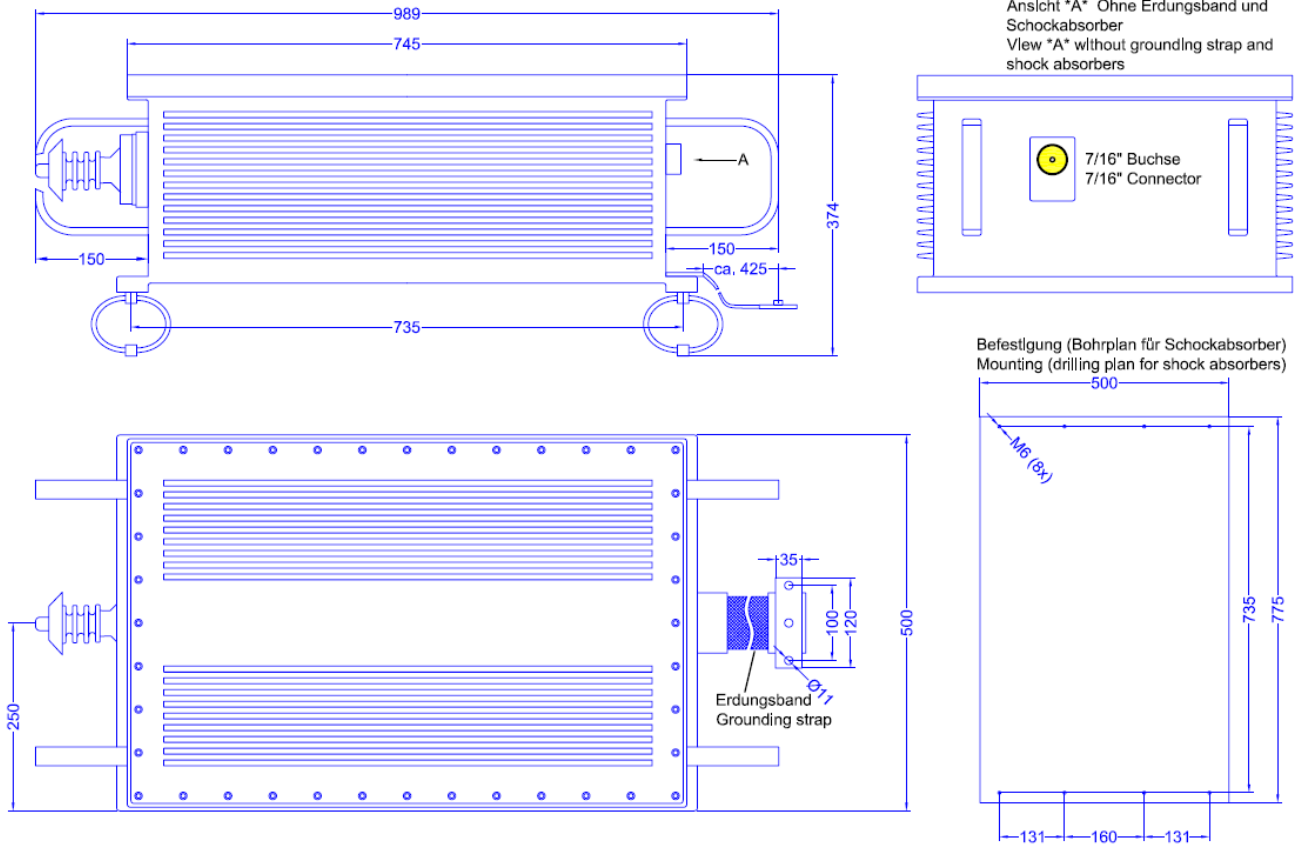
Data given without tolerance are typical values.

Design and specification are subject to change without prior notice, errors excepted.



Antenna Matching Network Element

Dimensions



Matching Transformer

Scope of Supply

Pos.	Description
1	Antenna Matching Unit AAPG ...
2	USB stick with product documentation in pdf format

Variants and Order Information

Type Designation	Part No. NSN	Remark
AAPG ...	2074.xxxx.00 ---	Design according to application or customer specification
AAPG 24	0004.3578.00	10-30 MHz For use with broadband antenna HF 18-BDA
AAPG 25	0004.3579.00	2-12 MHz For use with broadband antenna CA WL14-BDA
AAPG 30/A	0004.3594.00	2-12 MHz For use with broadband antenna CA WL30/A-BDA
AAPG 32	0004.3593.00	2-30 MHz For use with broadband antenna CA WL32



Variable Matching Network Element