

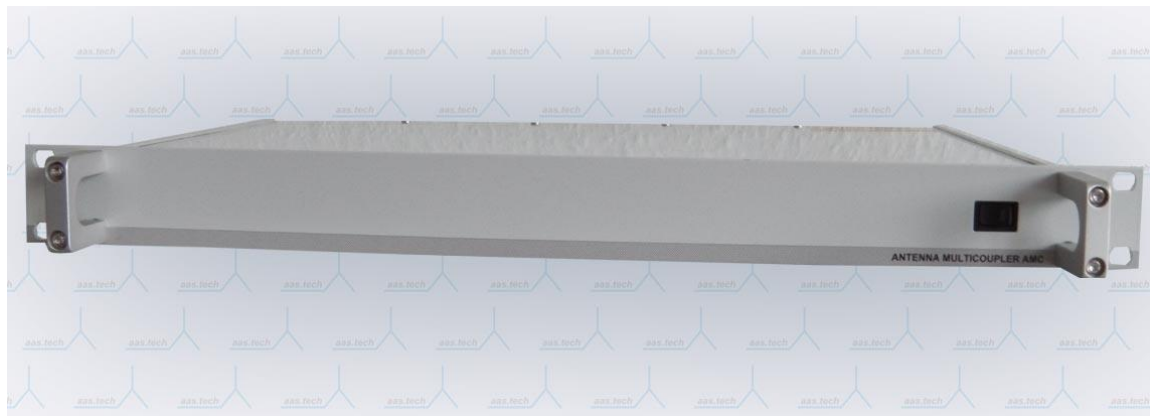
## Product Information

### Antenna Distributor AMC D Series 20 MHz – 500 MHz

The antenna distributors of the AMC series are a very flexible antenna distribution solution. It is available for various frequency ranges from 10 kHz to 3.6 GHz. The AMC series is furnished into a single 19-inch 1 HU slide-in unit, so its small footprint allows for flexible integration into the application environment.

The AMC D series covers the frequency range from 20 MHz to 500 MHz.

The AMC receives one antenna signal and distributes it to 4, 8, 12 or 16 outputs. BNC, N or SMA type output connectors are available. Further customer requirements can be considered on request.



## General Data

Parameter	AMC 4	AMC 8 AMC 12 AMC 16
Dimension slide-in unit (w x h x d)	19" 1 u (44 mm) 280 mm	
Weight	3,6 kg	3,9 kg
Colour of Front Panel	RAL 7035 (light grey)	
Mains Supply	85 – 264 Vac, 48 - 60 Hz	
Power Consumption	8 VA	15 VA
Battery Supply (Option DC)	18 – 36 Vdc, max. 0,5 A	
Ambient Temperature	-10°C ... +60°C	
Storage Temperature	-50°C ... +80°C	
Relative Humidity <small>Note 1</small>	95%	

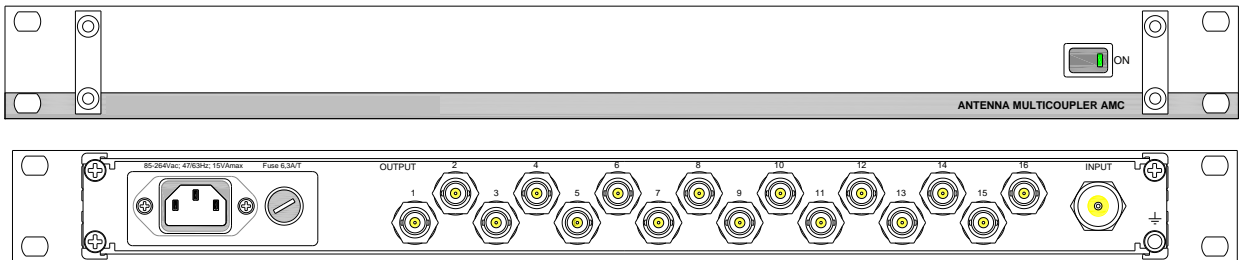
## Technical Data

Parameter	AMC 4	AMC 8 AMC 12 AMC 16
Vibration	IEC 60068-2-6	
EMC	Interference Immunity EN 61000-6-1 Interference Emissions EN 61000-6-3	
MTBF	> 60.000 h	> 45.000 h
MTTR (replacement of subunits)	0,5 h	
Frequency Range	20 - 500 MHz	
Number of Antenna Inputs	1 N socket	
Number of Outputs	4	8 (AMC 8) 12 (AMC 12) 16 (AMC 16)
Input Impedance	50 Ohm VSWR < 2,0	
Output Impedance	50 Ohm VSWR < 2,2	
Gain	2,0 ± 1,0 dB	3,5 ± 2,0 dB
Noise Figure	4,5 dB	< 6,5 dB, typ. 6,0 dB
Intercept Point IPOP2	40 dBm	39 dBm
Intercept Point IPOP3	34 dBm	31 dBm
1 dB Compression	17 dBm	14 dBm
Maximum Signal Level (continuous wave)	20 dBm	
Input Protection (pulse)	2 kV 1,2/50 µsec	
Decoupling between two outputs	> 20 dB	
Decoupling between output and input	> 27 dB	> 50 dB

Note 1:  
 Relative humidity valid for the front panel, non-condensing

Data given without tolerance are typical values.  
 Gain and impedance values are typical with BNC connectors.  
 Design and specification are subject to change without prior notice, errors excepted.

## Views



Rear view shows version fully equipped with 16 BNC connectors

## Scope of Supply

Pos.	Description
1	Antenna Distributor AMC ...
2	Accessory Set ZS 51
3	USB stick with product documentation in pdf format

## Accessories

Type Designation	Part No.	Description
ZS 51	0028.3751.00	Accessory set consisting of <ul style="list-style-type: none"> <li>- 4 ea. Phillips-head screw M6x14 Part No. G.0008</li> <li>- 2 ea. Fuse 5A/250V/T/5x20mm Part No. E.0046 NSN 5920-12-140-8333</li> <li>- 1 ea. Power Cord ICE Part No. KA.0171</li> </ul>

## Type Designation

Variant	AMC NN C – A
NN = Number of Outputs	<b>NN = 4:</b> 4 outputs <b>NN = 8:</b> 8 outputs <b>NN = 12:</b> 12 outputs <b>NN = 16:</b> 16 outputs
C = Type of Output Connectors	<b>C = N:</b> N connectors (max. 8 N connectors) <b>C = S:</b> SMA connectors

## Variants and Order Information

Type Designation	Part No. NSN	Description
AMC 4 B-D	0028.6110.00 ---	1 input to 4 BNC outputs 20 MHz – 500 MHz AC mains power supply
AMC 8 B-D	0028.6123.00 5985-12-390-5085	1 input to 8 BNC outputs 20 MHz – 500 MHz AC mains power supply
AMC 12 B-D	0028.6111.00 ---	1 input to 12 BNC outputs 20 MHz – 500 MHz AC mains power supply
AMC 16 B-D	0028.6113.00 ---	1 input to 16 BNC outputs 20 MHz – 500 MHz AC mains power supply
AMC 16 B-D-DC	0028.6128.00 ---	1 input to 16 BNC outputs 20 MHz – 500 MHz Option DC: AC&DC mains power supply
AMC 4 N-D	0028.6126.00 ---	1 input to 4 N outputs 20 MHz – 500 MHz AC mains power supply
AMC 8 N-D	0028.6120.00 ---	1 input to 8 N outputs 20 MHz – 500 MHz AC mains power supply

Other variants are available on request.

## Options

Option	AMC NN C – D - Option
DC Option	Power Supply with additional DC input 18 – 36 Vdc Power consumption max. 1 A
Colour of Front Panel	RAL .... colour code to be specified by customer

Other options are available on request.

## Spare Parts AMC D Series

Designation	Type	Part No.	Remark
Wideband Amplifier	BV D4A	0029.5504.80	for use with AMC D Series 20 MHz – 500 MHz
Power Supply Module	PS H	0008.7475.00	AC supply
Power Supply Module	PS H1	0008.7476.00	AC supply, Option DC
Motherboard	MB AMC	0028.2341.80	
Fuse	5,0 AT/250V 5x20 mm	E.0046	