

# AAMCS-PHD-2G-18G-30W-Sf

AA MCS

2-18 GHz

Hybrid Coupler 90°, 30W

## FEATURES

- **Broadband Unit**
- **Stripline architecture**
- **Minimal RF Insertion Loss**
- **High Reliability, High Isolation**
- **N Female Connectors available**

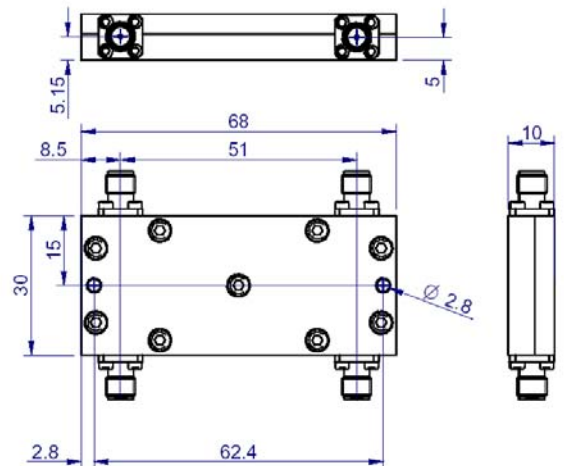


## DESCRIPTION

The Directional and Hybrid couplers offered by AA MCS are designed for both commercial and military applications on range DC-50GHz. Models are available in connectorized SMA, BNC, N, TNC (option) packages, depending on the frequency. All units are designed and manufactured to ensure statistical control of important parameters such as insertion loss and input/output return loss, with power up to more than 1 kWatt.

## Electrical Specifications

<b>Bandwidth</b>		2-18 GHz
<b>Coupling</b>		3dB
<b>Insertion Loss</b>	Max	1.4 dB
<b>Isolation</b>	Min	17 dB
<b>Amplitude Balance</b>	Max	1.3 dB
<b>Phase Balance</b>	Max	10 Deg
<b>VSWR</b>	Max	1.35:1
<b>Power CW</b>	Min	30 W
<b>Connector</b>		SMA f
<b>Operating Temperature</b>	°C	-40 to +85°C
<b>Storage Temperature</b>	°C	-55 to +125°C
<b>Waterproof ness</b>		IP50



*Amplitude & Phase Balance are the ratio between any 2 output in dB or Deg respectively*

*Power indicated for load VSWR better than 1.20:1*

Size in mm



**AA MCS**  
MICROWAVE COMPONENTS AND SYSTEMS

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PASSIVE COMPONENTS

Outline is subject to change without prior notice