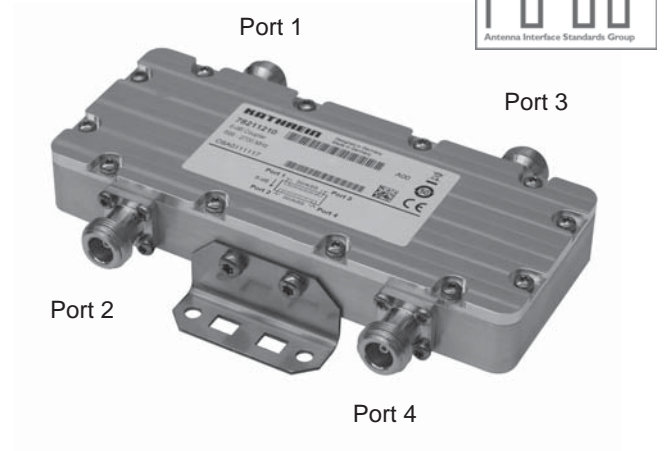
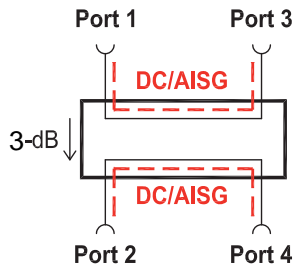


3-dB Coupler Hybrid Combiner 2:2 698 – 2690 MHz

- Suitable for indoor or outdoor applications
- DC/AISG bypass



Technical Data

Type No.	78211208
Frequency range	698 – 2690 MHz
Attenuation	
Port 1 ↔ Port 2	3 ± 1.25 dB
Port 1 ↔ Port 3	3 ± 1.25 dB
Port 2 ↔ Port 3	> 18 dB
VSWR	< 1.3 (698 - 2600) / < 1.35 (2600 - 2690)
Impedance	50 Ω
Input power	< 150 W at each input port
Intermodulation products	< -150 dBc (3 rd order; with 2 x 20 W)
Temperature range	-40 ... +70 °C
Connectors	N female
Application	Indoor or outdoor (IP66)
DC/AISG transparency	Bypass between Port 1 ↔ Port 3 / Port 2 ↔ Port 4 (max. 2500 mA)
Mounting	With 4 screws (max. 4 mm diameter)
Weight	0.8 kg
Dimensions (w x h x d)	156 x 64.5 x 22.7 mm (without connectors and mounting feet)
Packing size	237 x 167 x 94 mm

Note:

VSWR and attenuation values only valid if all ports are terminated with 50-Ohm loads.

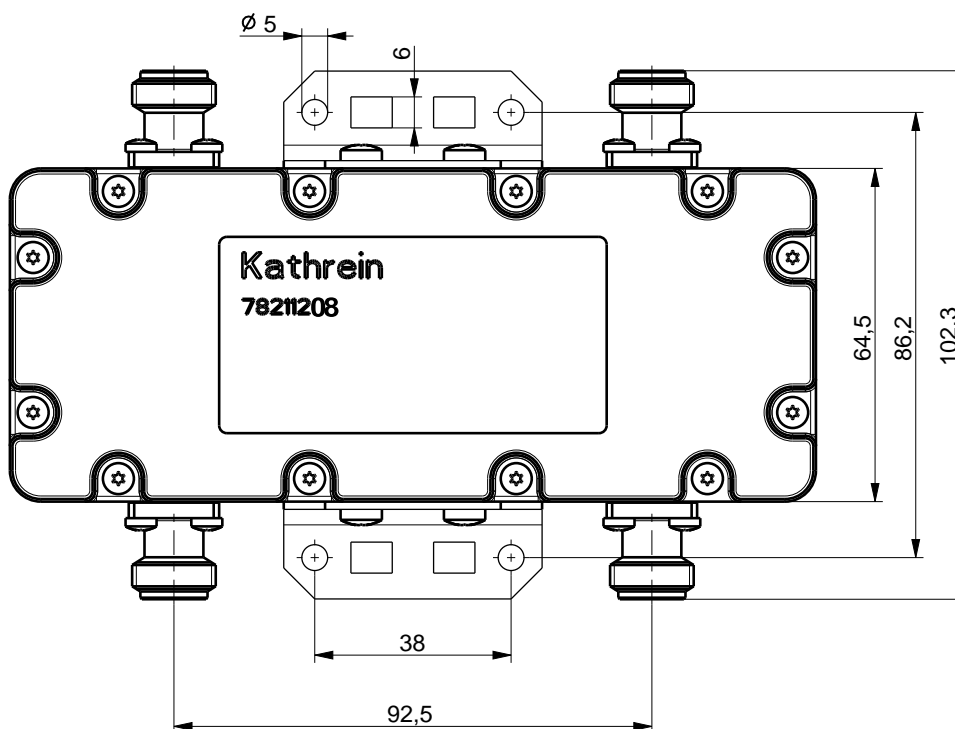
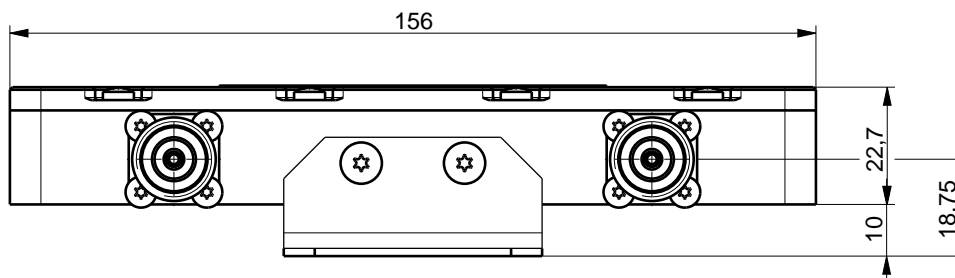
Subject to alteration.

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3-dB Coupler Hybrid Combiner 2:2 698 – 2690 MHz

KATHREIN

Dimensions



Please Note:

The coupling torque at N connectors is 5-7 Nm.

As a result of more stringent legal regulations and judgements regarding product liability, we are obliged to point out certain risks that may arise when products are used under extraordinary operating conditions.

Extraordinary operating conditions, such as heavy icing or exceptional dynamic stress (e.g. strain caused by oscillating support structures), may result in the breakage of a mast mounted device or even cause it to fall to the ground.

These facts must be considered during the site planning process.

The Coupler is designed to operate under the environmental conditions as described in ETS 300 019-1-4 class 4.1 E and have passed environmental tests as recommended in ETS 300 019-2-4.

The installation team must be properly qualified and also be familiar with the relevant national safety regulations.

The details given in our data sheets have to be followed carefully when installing the coupler and accessories.

The limits for the coupling torque of RF connectors, recommended by the connector manufacturers must be obeyed.

Any previous datasheet issues have now become invalid.

