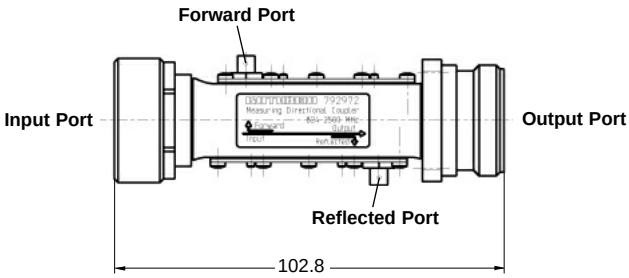
Measuring Directional Coupler
824 – 2500 MHz

KATHREIN
Antennen · Electronic

The Measuring Directional Coupler provides measurement ports for monitoring the forward and reflected power of a RF signal.

- Easy implementation into existing RF systems due to male/female connectors
- Input and output ports are reciprocal in nature
- Front panel mounting possible via flange
- Suitable for indoor applications



Technical Data

Type No.	792 972
Frequency range	824 – 2500 MHz
Insertion loss Input port → Output port	 < 0.05 dB (824 – 2500 MHz)
Coupling attenuation Input port → Forward port Output port → Reflected port	 32.0 ±0.75 dB (824 – 960 MHz) 28.5 ±1.50 dB (1710 – 2500 MHz) 32.0 ±0.75 dB (824 – 960 MHz) 28.5 ±1.50 dB (1710 – 2500 MHz)
Directivity	> 28 dB (824 – 2200 MHz) > 25 dB (2200 – 2500 MHz)
VSWR Input port, Output port Forward port, Reflected port	 < 1.04 (824 – 960 MHz) < 1.08 (960 – 2500 MHz) < 1.2 (824 – 2500 MHz)
Impedance	50 Ω
Input power	< 800 W (824 – 960 MHz) < 200 W (960 – 2500 MHz)
Intermodulation products	< –160 dBc (3rd order; with 2 x 20 W)
Temperature range	–20 … +55 °C
Connectors Input port Output port Forward port, Reflected port	 7-16 male 7-16 female MCX female
Application	Indoor
Mounting	Front panel mounting possible with 4 screws (max. 2.5 mm diameter)
Weight	0.26 kg
Dimensions (w x h x d)	32 mm x 32 mm x 102.3 mm

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