

Directional Couplers



20 mm Compact Directional Coupler, SMA probe

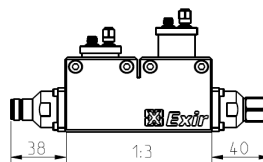
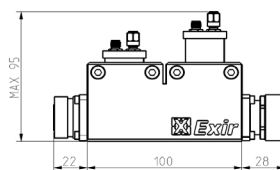
PRODUCT FEATURES

- Forward and reverse couplers
- Adjustable coupling
- Low VSWR
- Low cost

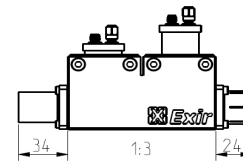
PRODUCT PROFILE

Directional couplers consist of a short loop inserted in the rigid line. Each end of the loop is then connected to a suitable contact, i.e. an SMA-type contact. Between the inner conductor and the loop there are two types of coupling - inductive and capacitive. The inductive coupling resembles a short coil with the voltage at each end 180 degrees apart. The capacitive coupling generates a phase voltage at both ends.

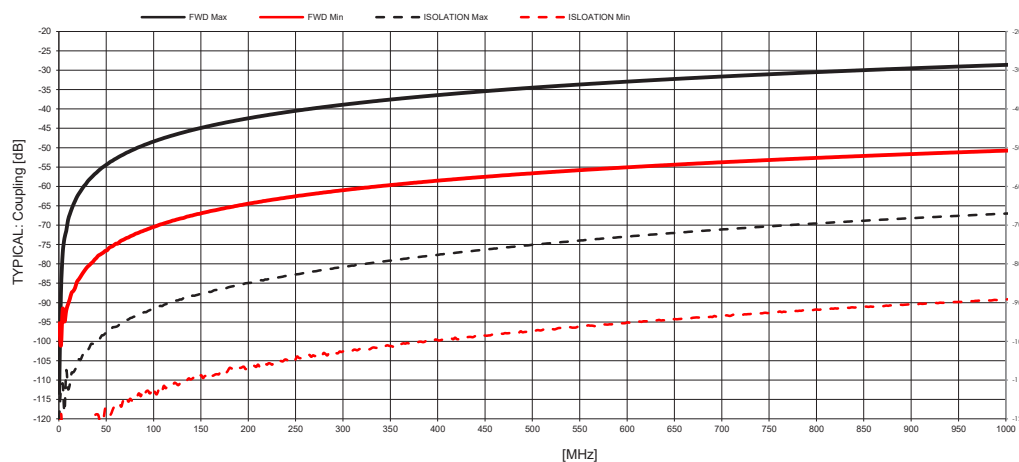
All our directional couplers deliver excellent directivity, stable performance and low VSWR.



MD IR-2020-CD-A



MD IR-2020-7G-A



COMPACT DIRECTIONAL COUPLER		
SPECIFICATIONS	20 mm Series	Option
DIRECTIVITY	32-40 dB	-
COUPLING RANGE	See plot, nom ± 0.1	-
OUTPUT JACK	2 x SMA female	1 x SMA female
IMPEDANCE	50 Ohm	-
RETURN LOSS (VSWR)	>32 dB (<1.05)	-
FREQUENCY RANGE	50 MHz - 1 GHz	300 kHz - 3 GHz
MAX INPUT POWER RATING	RF connector size	-
MAX PRODUCT TEMPERATURE	70 °C	-
ENVIRONMENTAL CONDITION	-5 to 70 °C IP40	Other IP on request
CONNECTORS	7/16 m/f, N m/f, 7/8" unflange m/f	-
DIMENSIONS MAX (L x W x H)	150 x 33 x 95 mm	-
(Inch)	(5.9 x 1.3 x 3.7 in)	-
WEIGHT	0,6 kg (1.32 lb)	-
FRAME	Stand alone	-
COLOUR	Aluminium	-

ARTICLE: MDIR-2020-CD-A

MDIR= Coupler type

2 = Number of probes

020 = Coaxial size

C = Input connector

D = Output connection

C = N female, D = N male

A = DIN 7/16 female, B = DIN 7/16 male

G = 7/8" unflange male, 7 = 7/8" unflange female

A = Version