

## Diplexer for the 0 - 225 MHz and 330 - 1300 MHz Ranges

### BESCHREIBUNG

- > Diplexer for combining or splitting the two ranges 0 - 225 MHz and 330 - 1300 MHz.
- > Excellent wide-band coverage – usable for a lot of applications.
- > Extremely small dimensions.
- > Quick installation using dual-adhesive pad provided.
- > FME-, BNC-, SMA-, or TNC connectors on all terminals (see BESTELLUNG).



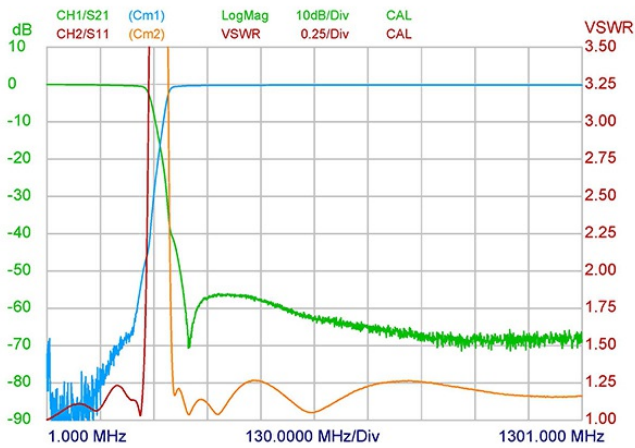
### SPEZIFIKATIONEN

Elektrisch DE	
Modell	DIPX 225/330 ...
Frequenz	Ant - low port : 0 - 225 MHz Ant - high port : 330 - 1300 MHz
Max. Eingangsleistung	35 W
Einfügedämpfung	0 - 225 MHz : ≤ 0.7 dB 330 - 1300 MHz : ≤ 0.7 dB
Impedanz	50 Ω
Isolierung	Low to high port : ≥ 40 dB
VSWR	< 1.5:1
Mechanisch DE	
Anschlussstyp	FME(m), BNC(f), SMA(f), TNC(f) (see BESTELLUNG)
Abmessungen	50 x 21 x 50 mm
Gewicht	ca. 0.062 kg
Umwelt	
Betriebstemperaturbereich	-30 °C to +70 °C

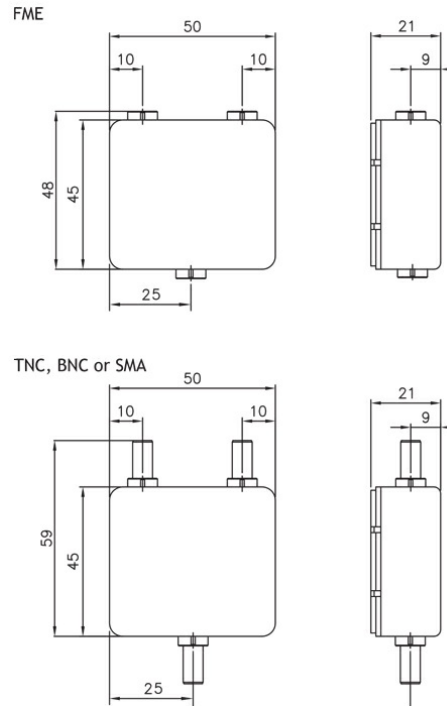
### BESTELLUNG

Modell	Produkt Nr
DIPX 225/330 FME	200000670
DIPX 225/330 BNC	200000671
DIPX 225/330 SMA	200000677
DIPX 225/330 TNC	200000698

TYPISCHER KURVENVERLAUF



MECHANISCHE OUTLINE



Alle Abmessungen in mm.

INSTALLATION

The DIPX 225/330 makes it possible to use only one antenna for the operation of two transceivers (one in each range). See the figure below. The antenna must be a dual-frequency antenna, e.i. it must be resonant on the actual frequencies in the two bands.

The transceivers may be used independently and will have no degrading influence on each other. Typically, the diplexer is installed next to the transceivers and only one cable is used between the diplexer and the antenna. The diplexer is suitable both for base station and mobile use.

The main tasks of the diplexer are to protect the individual receiver input from being destroyed by the transceiver in the contrary band and to ensure a lowloss path between the transceiver and the antenna which is not loaded by the other branch. The diplexer can be operated together with any set of transceivers operating within the 0 - 225 MHz and 330 - 1300 MHz frequency bands.

Dual-frequency antennas are available for both mobile and base station applications.

