

5-Channel Hybrid Combiner for 150 MHz Transmitters

BESCHREIBUNG

- Combining five transmitters or receivers on the same antenna.
- Better utilization of good antenna position.
- Five antennas on the same transmitter or receiver.
- The only combining option with very small Tx-Tx frequency spacing.
- 30 W load supplied (other loads or no load as option).



SPEZIFIKATIONEN

Elektrisch DE	
Modell	PRO-PHY150-5
Filter Typ	Hybridverbindung
Frequenz	136 - 175 MHz (see table)
Max. Eingangsleistung	37.5 W per channel (max. 125 W with larger load)
Einfügedämpfung	< 8.2 dB ±0.5 dB @ 8 MHz BW < 8.3 dB ±0.5 dB @ 16 MHz BW
Impedanz	50 Ω
Isolierung Tx1 - Tx2	> 32 dB @ 8 MHz BW > 27 dB @ 16 MHz BW
VSWR	< 1.5:1 with all other ports terminated with 50 Ω
Belastung	30 W load fitted (other ratings available) (** see note)
Anzahl der Kanäle	5

Mechanisch DE	
Anschlussstyp	N(f) (other on request)
Abmessungen	420 x 89 (incl. conn.) x 42 mm (excl. load)
Gewicht	1.6 kg

Umwelt	
Betriebstemperaturbereich	-30°C to +60°C

* NOTE

The isolation between the Tx ports is directly dependent on the terminating VSWR on the antenna port.
With an antenna load VSWR = 1.5, the isolation between the two Tx ports will be reduced to 20 dB @ 5 MHz bandwidth.

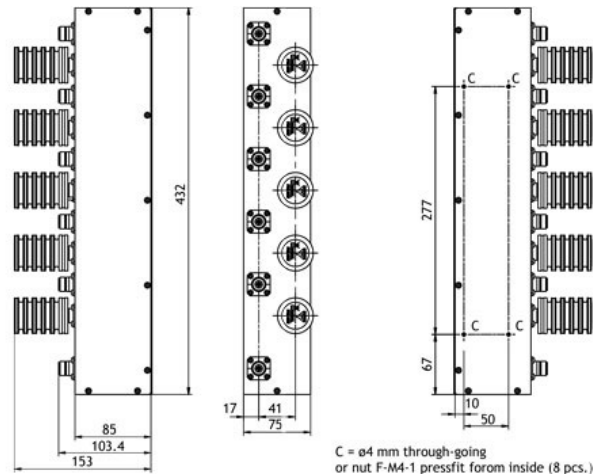
** NOTE

The VSWR of the load's should be < 1.1! Each load should be able to dissipate 4/5 of the input power.
E.g.: With 50 W input, each load should be able to dissipate 50 W x 4/5 = 40 W.

BESTELLUNG

Modell	Produkt Nr	Frequenz
PRO-PHY150-5-1	210001231	136 - 141 MHz
PRO-PHY150-5-2	210001232	140 - 145 MHz
PRO-PHY150-5-3	210001233	144 - 149 MHz
PRO-PHY150-5-4	210001234	148 - 153 MHz
PRO-PHY150-5-5	210001235	152 - 157 MHz
PRO-PHY150-5-6	210001236	156 - 161 MHz
PRO-PHY150-5-7	210001129	160 - 165 MHz
PRO-PHY150-5-8	210001131	164 - 169 MHz
PRO-PHY150-5-9	210001237	168 - 173 MHz
PRO-PHY150-5-10	210001238	172 - 175 MHz

Mounting Details



Typical response curves

