

Multi-band Low-loss Power Tapper 870–960 and 1710–2500

Continuously Adjustable Splitting Ratio

KATHREIN

Antennen · Electronic

5.0 – 15.0 dB

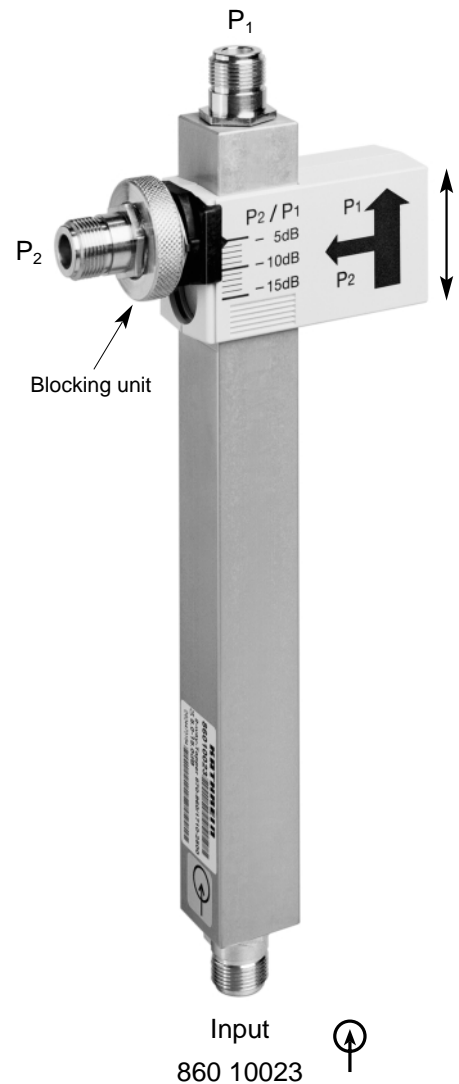
For indoor use

2-way-Tapper 870–960/1710–2500 5.0–15.0dB

Type No.	860 10023
Power ratio between outputs (P ₂ /P ₁)	–5.0 dB to –15.0 dB continuously adjustable
Connector	N female
Max. power	100 W (at 50 °C ambient temperature)
For connecting ... antennas	2
Frequency range	870 – 960 MHz and 1710 – 2500 MHz
VSWR	< 1.7
Intermodulation IM3 (2 x 43 dBm carrier)	< –150 dBc
Impedance	50 Ω
Insertion loss	< 0.1 dB
Weight	0.5 kg
Profile cross-section	25 x 25 mm
Packing size	277 x 111 x 40 mm
Max. size	263 / 100 / 25 mm

Material: Housing: Aluminum.
Inner conductor: Brass.
Adjustment mechanism: ASA.

DC capability: DC transmission only between input and port P₁.
P₂ is coupled capacitively.



Splitting table

P ₂ / P ₁ [dB]	Splitting ratio P ₁ / P ₂	Splitting attenuation	
		P _{Input} – P ₁ [dB]	P _{Input} – P ₂ [dB]
–5	3.2	–1.2	–6.2
–6	4	–1.0	–7.0
–7	5	–0.8	–7.8
–8	6.3	–0.6	–8.6
–9	8	–0.5	–9.5
–10	10	–0.4	–10.4
–11	12.6	–0.3	–11.3
–12	15.8	–0.3	–12.3
–13	20	–0.2	–13.2
–14	25.1	–0.2	–14.2
–15	31.6	–0.1	–15.1

936.2261/a Subject to alteration.