

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

## Continuously Adjustable Splitting Ratio 5.0 – 15.0 dB

**KATHREIN**

Antennen · Electronic

For indoor use

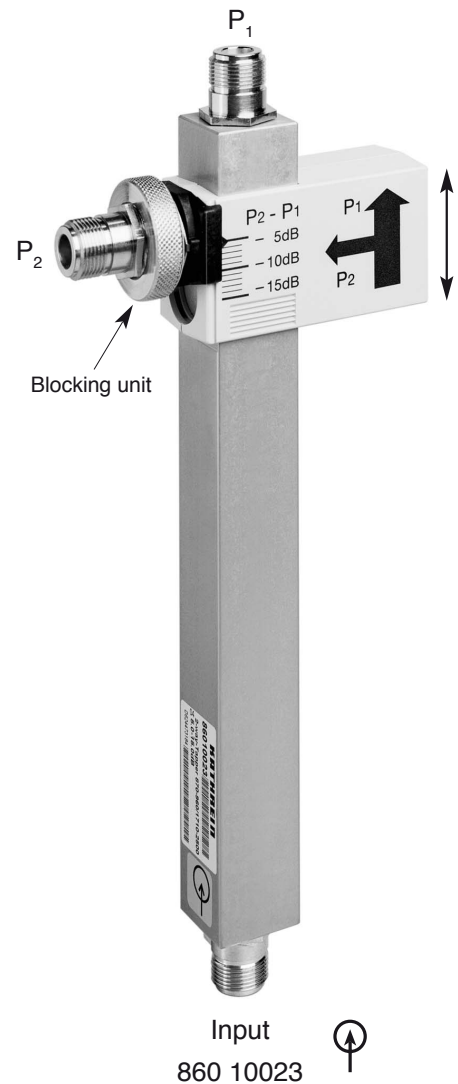
### 2-way Tapper 870–960/1710–2500 5.0–15.0dB

Type No.	<b>860 10023</b>
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	< –150 dBc (2 x 43 dBm carrier)
Impedance	50 $\Omega$
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  $P_1$ .  
 $P_2$  is coupled capacitively.

Environmental conditions: IP 52



### 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/b Subject to alteration.

All specifications are subject to change without notice.  
The latest specifications are available at [www.kathreinusa.com](http://www.kathreinusa.com)

**860 10023** Page 1 of 1