

Multi-Band Tapper

NEW

86010160

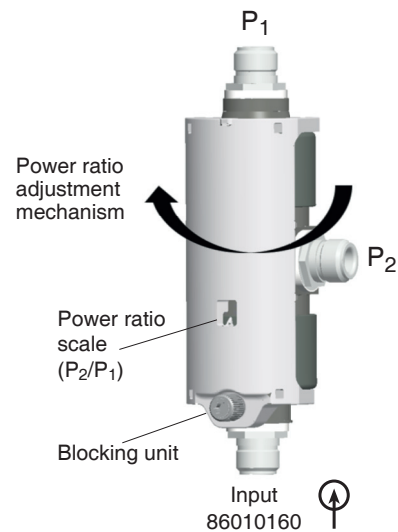
Kathrein is pleased to announce the introduction of a new **Multi-Band Low-Loss Power Tapper**. This tapper provides a very broad frequency range of

380-960 / 1695-2700 / 3400-3800 / 4920-5920 MHz

The power ratio of the tapper is continuously adjustable, providing a variety of applications for e.g. indoor and small cell systems. This feature also guarantees flexibility for future network adjustment and optimization.

Further important specifications are:

Power ratio between outputs (P ₂ / P ₁)	-5 dB to -20 dB continuously adjustable
Insertion loss	380 – 960 MHz: < 0.2 dB 1695 – 2700 MHz: < 0.2 dB 3400 – 3800 MHz: < 0.5 dB 4920 – 5920 MHz: < 0.7 dB
VSWR	380 – 960 MHz: < 1.5 1695 – 2700 MHz: < 1.5 3400 – 3800 MHz: < 2.0 4920 – 5920 MHz: < 2.3
Intermodulation IM3	< -150 dBc (2 x 43 dBm carrier)
Max. power	100 W (at 50 °C ambient temperature)
Weight	1.0 kg
Environmental conditions	Indoor, outdoor use
Max. size H x W	160 x 70 mm (including connectors)



The adjustment of the tapper is executed by releasing the blocking unit and turning the outer housing of the tapper. The corresponding power ratio can be controlled at the power ratio scale window. After setting the desired ratio, the blocking unit must be fixed again.

This new tapper is planned to be available in the 1st quarter of 2014 and will **replace the existing type no. K63236001**. Please place your last orders for this phased-out type **before the 31st of May 2014**.

Splitting table 86010160

P ₂ / P ₁ [dB]	Splitting ratio P ₁ / P ₂	Splitting attenuation	
		P ₁ / P _{Input} [dB]	P ₂ / P _{Input} [dB]
-5	3.2	-1.3	-6.3
-6	4	-1.05	-7.05
-7	5	-0.85	-7.85
-8	6.3	-0.7	-8.7
-9	8	-0.6	-9.6
-10	10	-0.5	-10.5
-11	12.6	-0.4	-11.4
-12	15.8	-0.35	-12.35
-13	20	-0.25	-13.25
-14	25.1	-0.2	-14.2
-15	31.6	-0.15	-15.15
-16	39.8	-0.14	-16.14
-17	50.1	-0.12	-17.12
-18	63.1	-0.11	-18.11
-19	79.4	-0.1	-19.1
-20	100.0	-0.09	-20.09

Customer Information

99812188/1113/VKA Subject to changes