

Kathrein RF power taps are designed for use in a number of professional applications including indoor antenna and radiating cable systems. These broadband power taps feature low insertion loss and excellent impedance match. Careful and conservative mechanical designs assure a long service life with high reliability and stability.

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

Specifications:	K63236001	860 10023
Frequency range	790–960 MHz 1710–2170 MHz	870–960 MHz 1710–2500 MHz
Power split ratio continuously adjustable	-5 dB to -15 dB (75%/25% to 97%/3%)	-5 dB to -15 dB (75%/25% to 97%/3%)
Impedance	50 ohms	50 ohms
Intermodulation (2x20w)	IM3: <-150 dBc	IM3: <-150 dBc
Insertion loss	<0.1 dB	<0.1 dB
VSWR	<2.1:1 (790–824 MHz) <1.7:1 (824–960 MHz) <1.7:1 (1710–2170 MHz)	<1.7:1 (870–960 MHz) <1.7:1 (1710–2500 MHz)
Maximum input power	100 watts (at 50°C)	100 watts (at 50°C)
Connector	N female	N female
Environmental conditions	IP 52	IP 52
Weight	1.1 lb (0.5 kg)	1.1 lb (0.5 kg)
Dimensions*	9.3 x 3.9 x 1 inches (235 x 100 x 25 mm)	10.4 x 3.9 x 1 inches (263 x 100 x 25 mm)
Shipping dimensions	9.8 x 4.4 x 4 inches (249 x 111 x 40 mm)	10.9 x 4.4 x 1.6 inches (277 x 111 x 40 mm)
Shipping weight	1.5 lb (0.68 kg)	1.5 lb (0.68 kg)

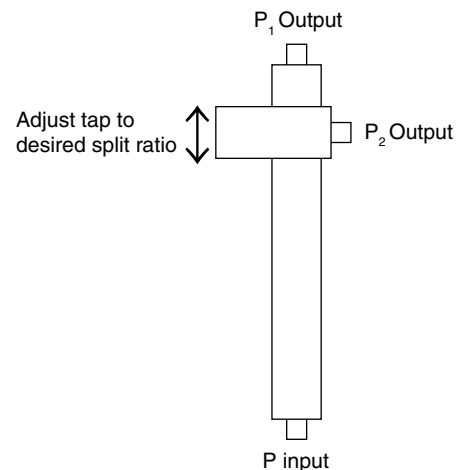
* Excludes connectors.

Splitting table:

P ₂ :P ₁ [dB]	P ₁ :P _{input} [dB]	P ₂ :P _{input} [dB]
-5 ↑ ↓	-1.2 (75%) ↑ ↓	-6.2 (25%) ↑ ↓
-10 ↑ ↓	-0.4 (91%) ↑ ↓	-10.4 (9%) ↑ ↓
-15	-0.1 (97%)	-15.1 (3%)

Order Information:

Model	Description
860 10023	Adjustable indoor power tap
K63236001	Adjustable indoor power tap



10827-C
936.3914
936.2261/b



**K63236001
860 10023**

Indoor Power Tap
Continuously adjustable
824 to 960 MHz
1710 to 2500 MHz

Scale (dB)	Power Split Ratio (x:1)	P1 (%)	P2 (%)	P1 (dB)	P2 (dB)
-5.00	3.2	76.0%	24.0%	-1.2	-6.2
-5.25	3.3	77.0%	23.0%	-1.1	-6.4
-5.50	3.5	78.0%	22.0%	-1.1	-6.6
-5.75	3.8	79.0%	21.0%	-1.0	-6.8
-6.00	4.0	79.9%	20.1%	-1.0	-7.0
-6.25	4.2	80.8%	19.2%	-0.9	-7.2
-6.50	4.5	81.7%	18.3%	-0.9	-7.4
-6.75	4.7	82.6%	17.4%	-0.8	-7.6
-7.00	5.0	83.4%	16.6%	-0.8	-7.8
-7.25	5.3	84.1%	15.9%	-0.7	-8.0
-7.50	5.6	84.9%	15.1%	-0.7	-8.2
-7.75	6.0	85.6%	14.4%	-0.7	-8.4
-8.00	6.3	86.3%	13.7%	-0.6	-8.6
-8.25	6.7	87.0%	13.0%	-0.6	-8.9
-8.50	7.1	87.6%	12.4%	-0.6	-9.1
-8.75	7.5	88.2%	11.8%	-0.5	-9.3
-9.00	7.9	88.8%	11.2%	-0.5	-9.5
-9.25	8.4	89.4%	10.6%	-0.5	-9.7
-9.50	8.9	89.9%	10.1%	-0.5	-10.0
-9.75	9.4	90.4%	9.6%	-0.4	-10.2
-10.00	10.0	90.9%	9.1%	-0.4	-10.4
-10.25	10.6	91.4%	8.6%	-0.4	-10.6
-10.50	11.2	91.8%	8.2%	-0.4	-10.9
-10.75	11.9	92.2%	7.8%	-0.4	-11.1
-11.00	12.6	92.6%	7.4%	-0.3	-11.3
-11.25	13.3	93.0%	7.0%	-0.3	-11.6
-11.50	14.1	93.4%	6.6%	-0.3	-11.8
-11.75	15.0	93.7%	6.3%	-0.3	-12.0
-12.00	15.8	94.1%	5.9%	-0.3	-12.3
-12.25	16.8	94.4%	5.6%	-0.3	-12.5
-12.50	17.8	94.7%	5.3%	-0.2	-12.7
-12.75	18.8	95.0%	5.0%	-0.2	-13.0
-13.00	20.0	95.2%	4.8%	-0.2	-13.2
-13.25	21.1	95.5%	4.5%	-0.2	-13.5
-13.50	22.4	95.7%	4.3%	-0.2	-13.7
-13.75	23.7	96.0%	4.0%	-0.2	-13.9
-14.00	25.1	96.2%	3.8%	-0.2	-14.2
-14.25	26.6	96.4%	3.6%	-0.2	-14.4
-14.50	28.2	96.6%	3.4%	-0.2	-14.7
-14.75	29.9	96.8%	3.2%	-0.1	-14.9
-15.00	31.6	96.9%	3.1%	-0.1	-15.1

All specifications are subject to change without notice. The latest specifications are available at www.kathrein-scala.com.