

Wideband 15dB power tapper

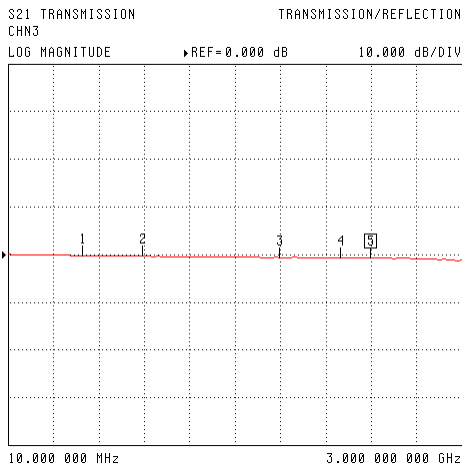
PTP2-0524-15N power tapper provides attractive possibility for non-uniform dividing RF-signals in very wide frequency range 500MHz up to 2400MHz.



Figure 1: PTP2-0524-15N Top view

Technical specifications:

Number of ports	3
Operating frequency bands:	500-2400MHz
Insertion loss IN \leftrightarrow OUT 0.7dB:	above tapped off power approx. 0.2dB
900MHz	0.3dB
1800MHz	0.6dB
2200MHz	0.8dB
Coupling IN \leftrightarrow OUT 15.0dB:	
900MHz	14.5dB
1800MHz	15.0dB
2200MHz	15.2dB
Coupling flatness	above nominal 15dB \pm 1dB
Return loss	>17dB in operating bands
Isolation OUT 0.7dB \leftrightarrow OUT 15.0dB:	above nominal 15dB
900MHz	> 25dB
1800MHz	> 17dB
2200MHz	> 17dB
Max. input power	1W
Impedance	50 Ω
Connectors	N-female
Dimensions	117 x 60 x 35mm

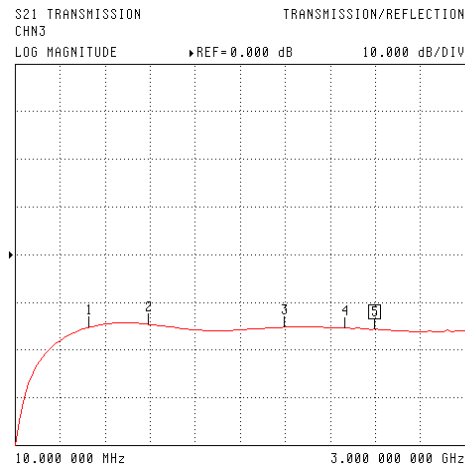


**Figure 2: Example of transmission
IN<OUT 0.7dB**

CH 3 - S21
REFERENCE PLANE
0.0000 mm

1:	500.000000 MHz	-0.259 dB
2:	900.000000 MHz	-0.406 dB
3:	1.800000000 GHz	-0.673 dB
4:	2.200000000 GHz	-0.711 dB

MARKER TO PEAK
▶MORE

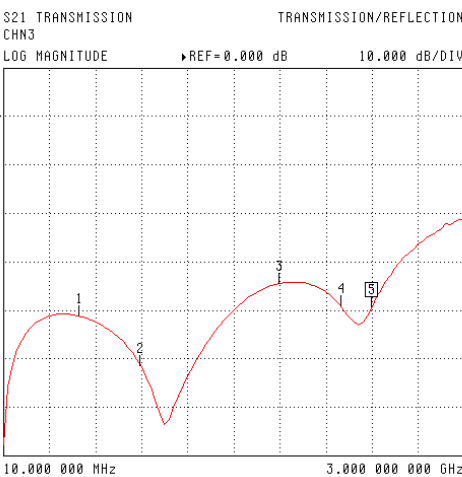


**Figure 3: Example of transmission
IN<OUT 15.0dB**

CH 3 - S21
REFERENCE PLANE
0.0000 mm

1:	500.000000 MHz	-15.276 dB
2:	900.000000 MHz	-14.639 dB
3:	1.800000000 GHz	-15.267 dB
4:	2.200000000 GHz	-15.464 dB

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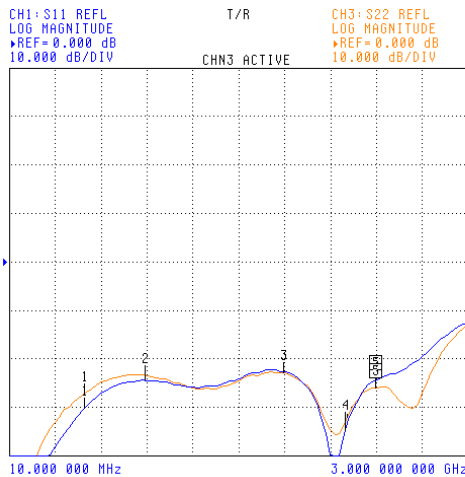


**Figure 4: Example of transmission
OUT 0.7dB<>OUT 15.0dB**

CH 3 - S21
REFERENCE PLANE
0.0000 mm

1:	500.000000 MHz	-41.250 dB
2:	900.000000 MHz	-51.391 dB
3:	1.800000000 GHz	-34.499 dB
4:	2.200000000 GHz	-39.202 dB

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**Figure 5: Example of return loss for
IN (S11) and OUT 0.7dB (S22)**

CH 3 - S22
REFERENCE PLANE
0.0000 mm

1:	500.000000 MHz	-27.230 dB
2:	900.000000 MHz	-23.489 dB
3:	1.800000000 GHz	-23.014 dB
4:	2.200000000 GHz	-33.092 dB

MARKER TO PEAK
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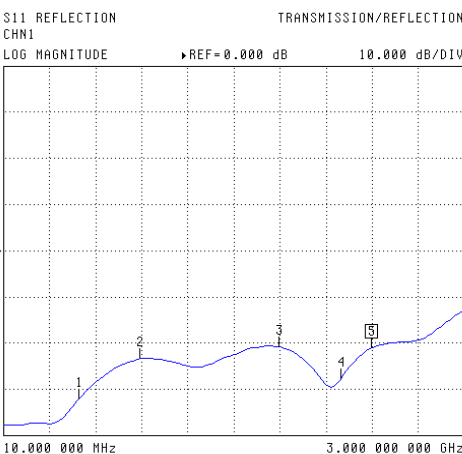


Figure 6: Example of return loss for OUT 15.0dB

CH 1 - S11
REFERENCE PLANE
0.0000 mm

1:	500.000000 MHz	-32.163 dB
2:	900.000000 MHz	-23.441 dB
3:	1.800000000 GHz	-20.901 dB
4:	2.200000000 GHz	-27.773 dB

MARKER TO PEAK
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**NOTE: Shown in all images on the current
page marker №5 is fixed at 2.4GHz.**