

Wideband 7dB power tapper

PTP2-0524-7N power tapper provides attractive possibility for non-uniform dividing RF-signals in very wide frequency range 500MHz up to 2400MHz.

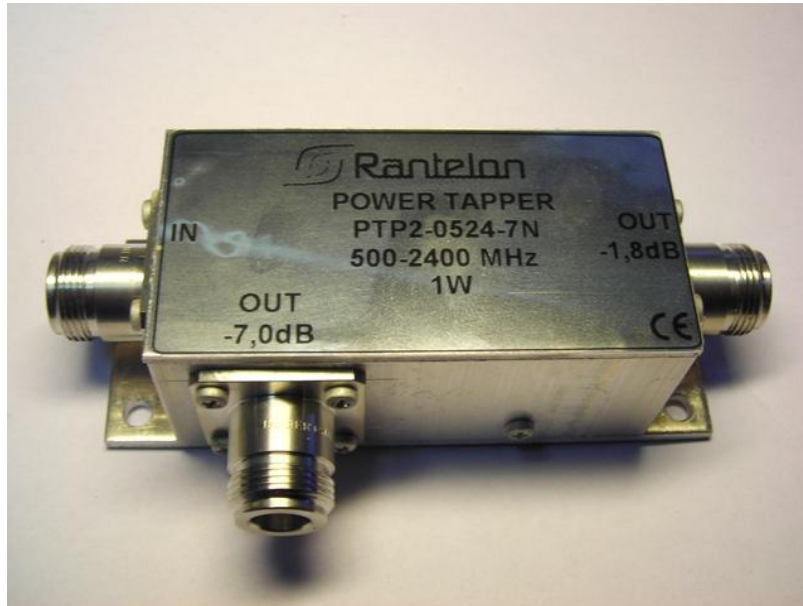


Figure 1: PTP2-0524-7N Top view

Technical specifications:

Number of ports	3
Operating frequency bands:	500-2400MHz
Insertion loss IN \leftrightarrow OUT 1.8dB:	above tapped off power approx. 1.2dB
900MHz	0.3dB
1800MHz	0.6dB
2200MHz	0.8dB
Coupling IN \leftrightarrow OUT 7.0dB:	
900MHz	6.2dB
1800MHz	7.5dB
2200MHz	6.7dB
Coupling flatness	above nominal 7dB \pm 1dB
Return loss	>15dB in operating bands
Isolation OUT 1.8dB \leftrightarrow OUT 7.0dB:	above nominal 7dB
900MHz	> 13dB
1800MHz	> 18dB
2200MHz	> 15dB
Max. input power	1W
Impedance	50 Ω
Connectors	N-female
Dimensions	117 x 60 x 35mm

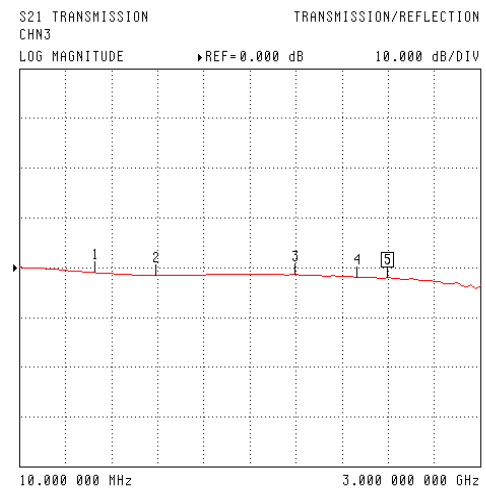


Figure 2: Example of transmission IN<OUT 1.8dB

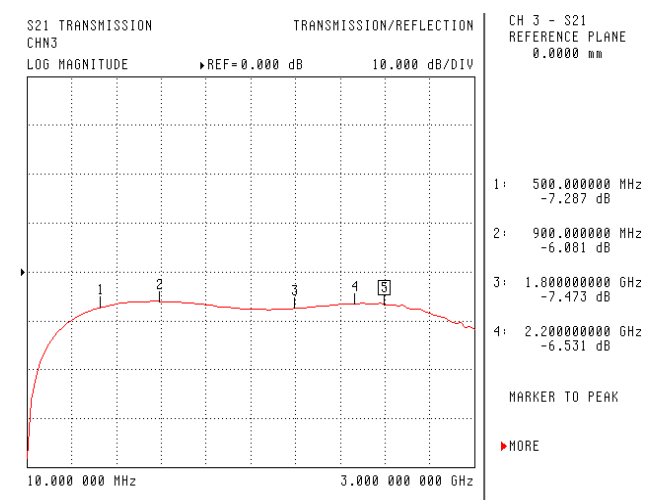


Figure 3: Example of transmission IN<OUT 7.0dB

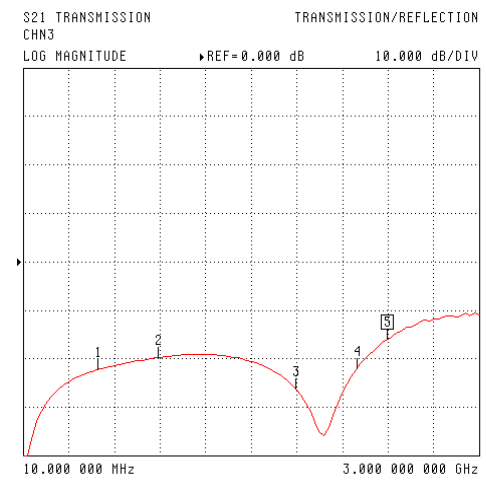


Figure 4: Example of transmission OUT 1.8dB<OUT 7.0dB

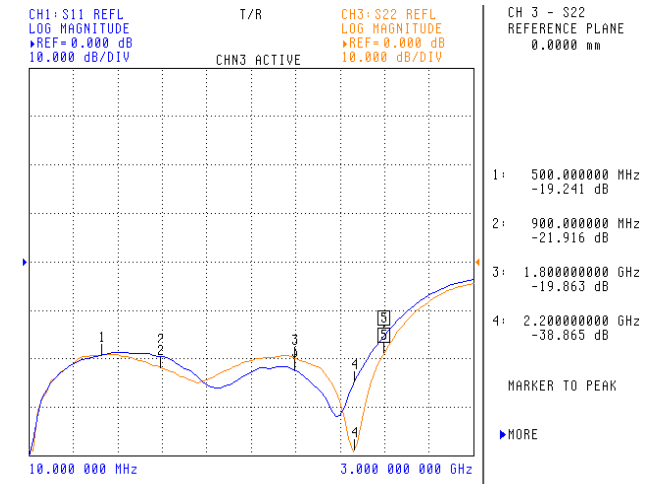


Figure 5: Example of return loss for IN (S11) and OUT 1.8dB (S22)

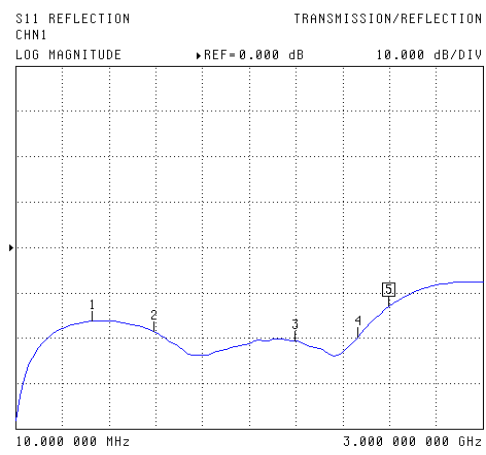


Figure 6: Example of return loss for OUT 7.0dB

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