

## Power divider 0.8-2.25 GHz

With the help of PDW2-08225N power divider it is possible to connect two antennas with a single device or two devices with a single antenna.

### Key features:

- Broadband input
- High isolation
- Solid case

### Application areas:

- GSM 900/1800
- UMTS
- Wireless networks
- Cable systems



### Technical specifications:

|                             |                |
|-----------------------------|----------------|
| Frequency range             | 0.8-2.25GHz    |
| Type                        | 2-way          |
| Connector                   | 50Ω N-female   |
| Insertion loss (above 3dB): |                |
| @ 0.9GHz                    | 0.3dB max.     |
| @ 1.8GHz                    | 0.5dB max.     |
| @ 2.1GHz                    | 0.7dB max.     |
| Amplitude balance           | 0.15dB max.    |
| VSWR                        | 1.2:1 typical  |
| S11                         | < -21dB        |
| Isolation:                  |                |
| @ 0.9GHz                    | 29dB min.      |
| @ 1.8GHz                    | 28dB min.      |
| @ 2.1GHz                    | 20dB min.      |
| Input power                 | 1W max.        |
| Dimensions                  | 40 x 60 x 35mm |

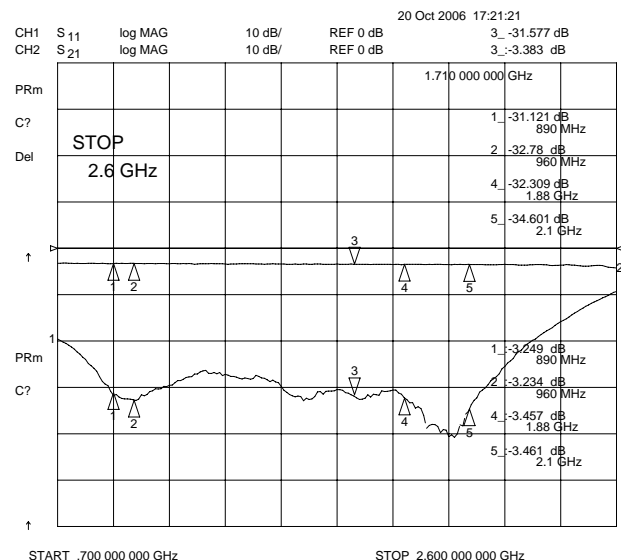


Figure 1. An example of the transfer (S21) and reflection loss (-S11) functions.