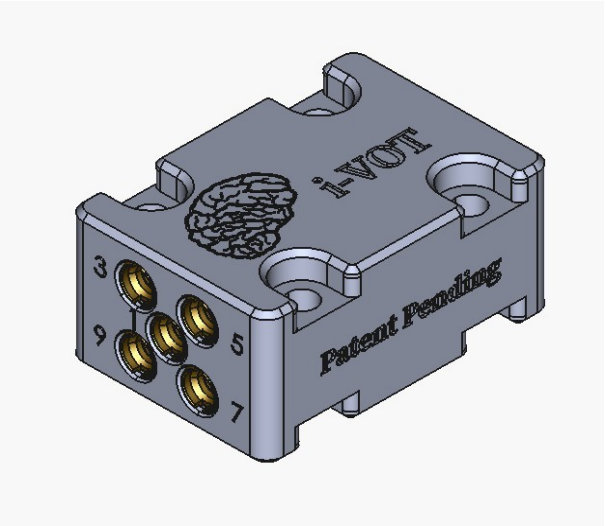
Coaxial multi-coupler with embedded low-pass filters based on company's patent pending technology. This novel design is ideal for wideband multi-path RF sensing and calibration solutions used for example in phased antenna arrays or multi-antenna systems.

Custom solutions available on request.



Features

- **Wideband 1000 – 8000 MHz**
- **L-, S- and C-band**
- **4 to 1 / 1 to 4 Bi-Directional Coupler**
- **50Ω SMP (male) Ports**
- **Embedded Low-Pass Filters**
- **Very Low Loss**
- **34.4mm (L) x 24.0mm (W) x 16.0mm (H)**
- **Fully EMI Shielded**

Electrical Specifications: Couplers

Frequency [MHz]	Ports	Mean Coupling [dB]	Directivity [dB]	Amplitude Balance [dB]	Phase Balance [degrees]
1000 - 2000	1 to 3,5,7,9 2 to 4,6,8,10	50 ± 3	> 10	±1	±2
1000 - 2000	3,5,7,9 to 1 4,6,8,10 to 2	50 ± 3	> 10	±1	±2
2000 - 4000	1 to 3,5,7,9 2 to 4,6,8,10	45 ± 3	> 10	±1	±2
2000 - 4000	3,5,7,9 to 1 4,6,8,10 to 2	45 ± 3	> 10	±1	±2
4000 - 8000	1 to 3,5,7,9 2 to 4,6,8,10	40 ± 2	> 10	±1	±2
4000 - 8000	3,5,7,9 to 1 4,6,8,10 to 2	40 ± 2	> 10	±1	±2

Electrical Specifications: Filters

Pass Band [MHz]	Ports	Insertion Loss [dB]	Return Loss [dB]	Rejection at 14 GHz [dB]	Rejection at 18 GHz [dB]
DC - 8000	1 – 2 3 – 4 5 – 6 7 – 8 9 – 10	< 0.4 < 0.3 < 0.3 < 0.3 < 0.3	> 12 > 14 > 14 > 14 > 14	>12 >12 >12 >12 >12	>20 >20 >20 >20 >20

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