

MEGAPHASE N-WAY POWER DIVIDERS



Highly Dependable Port-to-Port Isolation

MegaPhase offers low insertion loss solutions for both low and high power signal applications. Using lumped element or stripline circuit technology, MegaPhase standard and custom designs deliver high port to port isolation and tight phase tolerance with optimum VSWR. Our engineering team can complete and deliver first samples of most new designs within a very short lead time.

Product Specifications

Product Family	Frequency Range	Power Handling	Connectors
Power Dividers	0.5-40 GHz, Octave and Multi-octave Bandwidths	Low Insertion Loss & Amplitude Balance	SMA, 3.5mm, 2.92mm and 2.4mm available
Designed to meet MIL-DTL-23971 · Environmental Screening Available			

2-Way Power Divider

MegaPhase Model No.	Type	Frequency Range (GHz)	Connectors	Isolation (dB, Min)	Insertion Loss (dB, Max)	Phase Balance (deg., Max)
PD12-2N-3.25	2way	.5 -6 GHz	N-F	17	1.3	4
PD12-2S-3.25G		–	SMA-F	–		–
PD16-2S-4.25G		.5-8 GHz		16	0.8	6
PD36-2S-9.2G		.5-18 GHz		14	1.9	10
PD9-2S-10G		2-18 GHz		15	1	5
PD4-2S-11G		4-18 GHz		18	0.6	4
MegaPhase Model No.	Amplitude Balance (dB, Max)	VSWR Input (x.xx:1, Max)	VSWR Output (x.xx:1, max)	CW Input (W) at Load VSWR Out 1.2:1	CW Input (W) at Load VSWR Out 2.0:1	Size
PD12-2N-3.25	0.4	1.6	1.35	30	10	3.25x2.46x.75
PD12-2S-3.25G		–	–	–	–	
PD16-2S-4.25G	0.9	1.5	1.5	20	5	4.75x1.00x.38
PD36-2S-9.2G		1.8	1.8			
PD9-2S-10G	0.5	1.6	1.6	10	1	2.25x1.00x.38
PD4-2S-11G			1.4			1.00x1.00x.38



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3-Way Power Divider

MegaPhase Model No.	Type	Frequency Range (GHz)	Connectors	Isolation (dB, Min)	Insertion Loss (dB, Max)	Phase Balance (deg., Max)
PD9-3S-10G	3way	2-18 GHz	SMA-F	15	1.3	5

MegaPhase Model No.	Amplitude Balance (dB, Max)	VSWR Input (x.xx:1, Max)	VSWR Output (x.xx:1, max)	CW Input (W) at Load VSWR Out 1.2:1	CW Input (W) at Load VSWR Out 2.0:1	Size
PD9-3S-10G	1	2	1.8	10	1	4.46x2.46x.38

4-Way Power Divider

MegaPhase Model No.	Type	Frequency Range (GHz)	Connectors	Isolation (dB, Min)	Insertion Loss (dB, Max)	Phase Balance (deg., Max)
PD16-2S-4.25	4way	.5-8 GHz	SMA-F	15	4	8
PD36-4S-9.2G		.5-18 GHz				
PD9-4S-10G		2-18 GHz		16	1.6	6
PD4-4S-11G		4-18 GHz		18	1.2	10

MegaPhase Model No.	Amplitude Balance (dB, Max)	VSWR Input (x.xx:1, Max)	VSWR Output (x.xx:1, max)	CW Input (W) at Load VSWR Out 1.2:1	CW Input (W) at Load VSWR Out 2.0:1	Size
PD16-2S-4.25	1	1.9	1.6	20	5	6.25x2.97x.38
PD36-4S-9.2G			1.5	30	10	4.0x2.5x.38
PD4-4S-11G	0.8	1.8	1.6			1.98x1.46x.38



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6-Way Power Divider

MegaPhase Model No.	Type	Frequency Range (GHz)	Connectors	Isolation (dB, Min)	Insertion Loss (dB, Max)	Phase Balance (deg., Max)
PD9-6S-10G	6way	2-18 GHz	SMA-F	15	1.9	12

MegaPhase Model No.	Amplitude Balance (dB, Max)	VSWR Input (x.xx:1, Max)	VSWR Output (x.xx:1, max)	CW Input (W) at Load VSWR Out 1.2:1	CW Input (W) at Load VSWR Out 2.0:1	Size
PD9-6S-10G	1	2	1.5	25	7	6.00x4.00x.38

8-Way Power Divider

MegaPhase Model No.	Type	Frequency Range (GHz)	Connectors	Isolation (dB, Min)	Insertion Loss (dB, Max)	Phase Balance (deg., Max)
PD9-8S-10G	8way	2-18 GHz	SMA-F	16	2.4	10

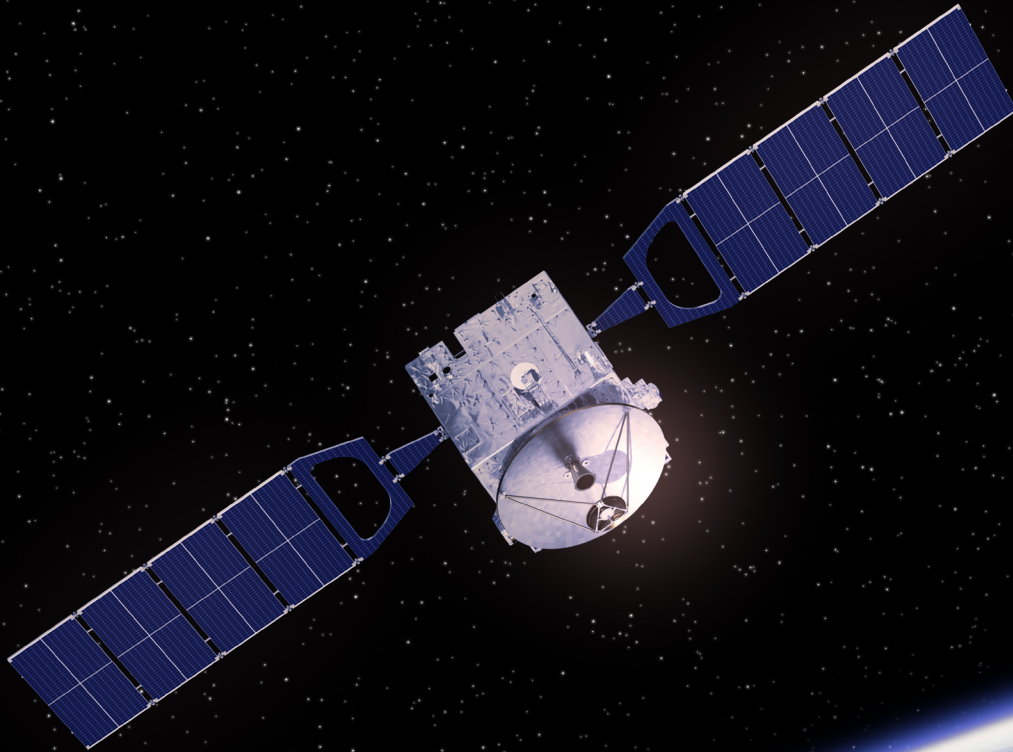
MegaPhase Model No.	Amplitude Balance (dB, Max)	VSWR Input (x.xx:1, Max)	VSWR Output (x.xx:1, max)	CW Input (W) at Load VSWR Out 1.2:1	CW Input (W) at Load VSWR Out 2.0:1	Size
PD9-8S-10G	1	1.9	1.5	25	7	5.75x4.46x.38





MegaPhase®

With the right connection anything is possible



Visit us at megaphase.com

About us

Founded in 1998 and headquartered in Stroudsburg, Pennsylvania, MegaPhase designs and manufactures high-performance RF coaxial cables and connectors for OEMs in critical markets including test instrumentation, defense, aerospace, telecommunications, and satellite systems. Serving more than 500 customers in 30 countries—including major technology leaders and the U.S. government—MegaPhase is best known for its industry-leading GrooveTube® technology, a breakthrough flexible cable design used in high-reliability, high-power, and phase-defined applications across ground, sea, air, and space platforms. All products are manufactured in-house, tested 100% in a state-of-the-art RF lab up to 110 GHz, and engineered to deliver exceptional phase stability, low loss, and long-term measurement repeatability, helping customers achieve more reliable results at a lower cost per measurement.

MegaPhase

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