

MegaPhase®



With the right connections,  
anything is possible.

## 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.

### Power Dividers

SMA, 3.5mm, 2.92mm and  
2.4mm available

0.5-40 GHz, Octave and Multi-octave  
Bandwidths

Low Insertion Loss & Amplitude Balance

Designed to meet MIL-DTL-23971

Environmental Screening Available



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## N-Way Power Dividers

### 2 Way Power Divider

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

### 3 Way Power Divider

MegaPhase Model No.	Type	Freq (GHz)	Connectors	Isolation (dB, Min)	Insertion Loss (dB, Max)	Phase Balance (deg, Max)	Amplitude Balance (dB, Max.)	VSWR Input (x.xx:1, max.)	VSWR Output (x.xx:1, max.)	CW Input(W) @ Load VSWR Out 1.2:1	CW Input(W) @ Load VSWR Out 2.0:1	Size
PD9-3S-10G	3way	2-18GHz	SMA-F	15	1.3	5	1	2	1.8	10	1	4.46x2.46x.38

### 4 Way Power Divider

MegaPhase Model No.	Type	Freq (GHz)	Connectors	Isolation (dB, Min)	Insertion Loss (dB, Max)	Phase Balance (deg, Max)	Amplitude Balance (dB, Max.)	VSWR Input (x.xx:1, max.)	VSWR Output (x.xx:1, max.)	CW Input(W) @ Load VSWR Out 1.2:1	CW Input(W) @ Load VSWR Out 2.0:1	Size
PD16-2S-4.25	4way	.5-8GHz	SMA-F	15	4	8	1	1.9	1.6	20	5	6.25x2.97x.38
PD36-4S-9.2G	4way	.5-18GHz	SMA-F	15	4	8	1	1.9	1.6	20	5	6.25x2.97x.38
PD9-4S-10G	4way	2-18GHz	SMA-F	16	1.6	6	0.8	1.8	1.5	30	10	4.0x2.5x.38
PD4-4S-11G	4way	4-18GHz	SMA-F	18	1.2	10	0.8	1.8	1.6	30	10	1.98x1.46x.38



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## N-Way Power Dividers

### 6 Way Power Divider

MegaPhase Model No.	Type	Freq (GHz)	Connectors	Isolation (dB, Min)	Insertion Loss (dB , Max)	Phase Balance (deg.,Max)	Amplitude Balance (dB, Max.)	VSWR Input (x.xx:1, max.)	VSWR Output (x.xx:1, max.)	CW Input(W) @ Load VSWR Out 1.2:1	CW Input(W) @ Load VSWR Out 2.0:1	Size
PD9-6S-10G	6way	2-18GHz	SMA-F	15	1.9	12	1	2	1.5	25	7	6.00x4.00x.38

### 8 Way Power Divider

MegaPhase Model No.	Type	Freq (GHz)	Connectors	Isolation (dB, Min)	Insertion Loss (dB , Max)	Phase Balance (deg.,Max)	Amplitude Balance (dB, Max.)	VSWR Input (x.xx:1, max.)	VSWR Output (x.xx:1, max.)	CW Input(W) @ Load VSWR Out 1.2:1	CW Input(W) @ Load VSWR Out 2.0:1	Size
PD9-8S-10G	8way	2-18GHz	SMA-F	16	2.4	10	1	1.9	1.5	25	7	5.75x4.46x.38