



5G

Testing

Instruments

Wireless Communication

High Speed Data Communication



# DC Start

# POWER DIVIDER & DIRECTIONAL COUPLER

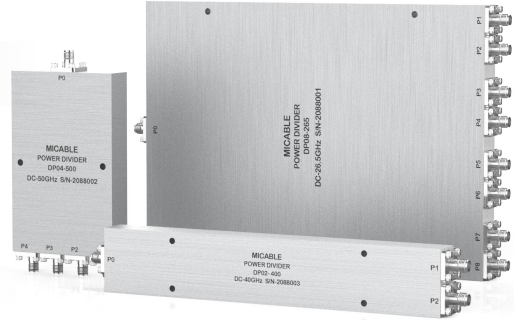
 Selection Guide

# DC Start Power Divider

**Ultra Wideband**

**Low VSWR/Low I. L./High Isolation**

**Excellent Amplitude & Phase Unbalance**



Way	Freq. Range (GHz)	P/N	Sum VSWR (∓1 Typ./Max.)	Distri. VSWR (∓1 Typ./Max.)	Insertion Loss* (dB) Typ./Max.	Amplitude Unbalance (dB) Typ./Max.	Phase Unbalance (dB) Typ./Max.	Isolation (dB) Typ./Min.
2	DC~0.5	DP02-265	1.7/-	1.7/-	0.6/1.2	±0.1/±0.3	±1/±3	8/-
	0.5~18		1.2/1.5	1.2/1.5	1.2/1.7	±0.2/±0.3	±2/±3	22/17
	18~26.5		1.2/1.5	1.2/1.5	1.6/2.4	±0.3/±0.4	±3/±4	22/18
	DC~0.5	DP02-400	1.7/-	1.7/-	0.6/1.2	±0.1/±0.3	±1/±3	8/-
	0.5~26.5		1.3/1.6	1.3/1.6	2/2.6	±0.2/±0.3	±3/±4	22/16
	26.5~40		1.3/1.6	1.3/1.6	2.8/3.5	±0.3/±0.4	±3/±5	22/18
	DC~1	DP02-500	1.7/-	1.7/-	0.8/1.6	±0.1/±0.3	±1/±3	8/-
	1~26.5		1.3/1.6	1.3/1.6	1.2/1.9	±0.2/±0.3	±3/±4	22/16
26.5~50	1.3/1.6		1.3/1.6	2.2/3	±0.3/±0.5	±4/±6	22/18	
4	DC~0.5	DP04-265	2.8/-	2.8/-	2/3	±0.2/±0.3	±2/±3	8/-
	0.5~18		1.2/1.5	1.2/1.5	3.2/4	±0.2/±0.3	±3/±5	22/16
	18~26.5		1.3/1.6	1.3/1.6	4.4/5.2	±0.3/±0.4	±4/±6	22/18
	DC~0.5	DP04-400	2.8/-	2.8/-	2/3	±0.2/±0.3	±2/±3	8/-
	0.5~26.5		1.3/1.6	1.3/1.6	4.2/5.4	±0.3/±0.4	±4/±6	22/15
	26.5~40		1.3/1.6	1.3/1.6	6/7.5	±0.3/±0.5	±5/±7	22/18
	DC~2	DP04-500	2.8/-	2.8/-	2/3	±0.2/±0.3	±2/±3	8/-
	2~26.5		1.3/1.6	1.3/1.6	2/2.9	±0.3/±0.4	±4/±6	22/16
26.5~50	1.4/1.7		1.4/1.7	3.5/4.4	±0.4/±0.6	±6/±8	22/18	
8	DC~0.5	DP08-265	5.8/-	4.8/-	4/5.5	±0.3/±0.6	±3/±6	8/-
	0.5~18		1.3/1.6	1.3/1.6	4.8/6	±0.3/±0.4	±4/±6	22/15
	18~26.5		1.3/1.6	1.3/1.6	6.8/8	±0.3/±0.5	±5/±7	22/18
	DC~0.5	DP08-400	5.8/-	4.8/-	4/5.5	±0.3/±0.6	±3/±6	8/-
	0.5~26.5		1.4/1.7	1.3/1.6	6.8/8.2	±0.3/±0.5	±4/±6	22/15
	26.5~40		1.4/1.7	1.4/1.7	9.6/11	±0.4/±0.6	±6/±8	22/18
	DC~1	DP08-500	5.8/-	4.8/-	4.4/5.7	±0.4/±0.7	±4/±7	8/-
	1~26.5		1.4/1.7	1.4/1.7	6/7.1	±0.5/±0.7	±6/±8	22/15
26.5~50	1.5/1.8		1.5/1.8	9.9/11	±0.6/±0.9	±9/±12	22/18	

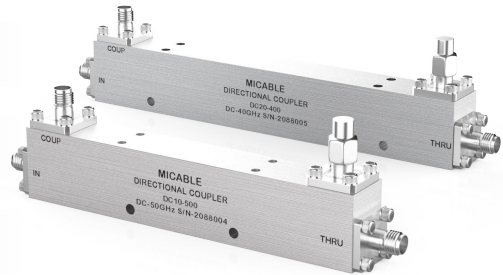
\*Above Theoretical I.L.

# DC Start Directional Coupler

**Ultra Wideband**

**Low VSWR & Low Insertion Loss**

**Excellent Coupling & Directivity**



Freq. Range (GHz)	P/N	Nominal Coupling (dB)	VSWR (-1) Typ./Max.	Insertion Loss (dB) Typ./Max.		Coupling (dB) Typ./Max.		Directivity (dB) Typ./Min.
				10dB	20dB	10dB	20dB	
<b>DC~0.3</b>	DC10-085 DC20-085	10/20	1.1/1.3	0.2/0.7	0.2/0.5	25/-	35/-	25/-
0.3~0.5			1.1/1.3	0.5/0.9	0.2/0.5	12/-	22/-	25/-
<b>0.5~8.5</b>			1.1/1.3	0.8/1.3	0.4/0.8	10/10±1.2	20/20±1.2	25/20
<b>DC~0.3</b>	DC10-124 DC20-124	10/20	1.1/1.3	0.2/0.7	0.2/0.5	25/-	35/-	25/-
0.3~0.5			1.1/1.3	0.5/0.9	0.2/0.5	12/-	22/-	25/-
<b>0.5~12.4</b>			1.1/1.3	1.0/1.5	0.6/1.0	10/10±1.3	20/20±1.3	25/20
<b>DC~0.3</b>	DC10-200 DC20-200	10/20	1.1/1.3	0.2/0.7	0.2/0.5	25/-	35/-	25/-
0.3~0.5			1.1/1.3	0.5/0.9	0.2/0.5	12/-	22/-	25/-
0.5~8			1.1/1.3	0.8/1.4	0.4/0.8	10/10±1.4	20/20±1.4	22/16
<b>8~20</b>			1.2/1.4	1.3/1.9	0.9/1.2	10/10±1.4	20/20±1.4	18/14
<b>DC~0.3</b>	DC10-265 DC20-265	10/20	1.1/1.3	0.2/0.7	0.2/0.5	25/-	35/-	25/-
0.3~0.5			1.1/1.3	0.5/0.9	0.2/0.5	12/-	22/-	25/-
0.5~18			1.2/1.4	1.2/1.8	0.7/1.1	10/10±1.7	20/20±1.7	18/14
<b>18~26.5</b>			1.2/1.5	1.5/2.2	1.0/1.4	10/10±1.7	20/20±1.7	16/13
<b>DC~0.3</b>	DC10-400 DC20-400	10/20	1.1/1.3	0.2/0.7	0.2/0.5	25/-	35/-	25/-
0.3~0.5			1.1/1.3	0.5/0.9	0.2/0.5	12/-	22/-	25/-
0.5~26.5			1.3/1.6	1.6/2.4	1.2/2.0	10/10±2.2	20/20±2.2	16/12
<b>26.5~40</b>			1.4/1.7	2.2/2.9	1.8/2.6	10/10±2.2	20/20±2.2	13/10
<b>DC~0.4</b>	DC10-500 DC20-500	10/20	1.1/1.3	0.2/0.7	0.2/0.6	25/-	35/-	25/-
0.4~1			1.1/1.3	0.5/1.0	0.2/0.6	12/-	22/-	25/-
1~26.5			1.3/1.6	1.8/2.3	0.9/1.5	10/10±2.2	20/20±2.2	16/12
<b>26.5~50</b>			1.4/1.8	2.6/3.5	1.4/2.1	10/10±2.2	20/20±2.2	11/8

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