

Millimeter Wave Products

5G

Power Divider/Combiners

Directional Couplers

Terminations

Attenuators

DC Blocks

Bias Tees

Isolators



mmWave Products

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Issue #5



MECA Electronics, Inc.

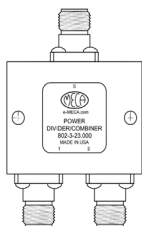


Power Dividers/Combiners

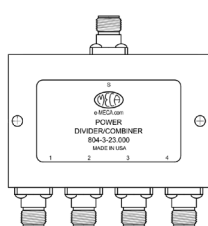


Split	Series	Freq (GHz)	Connector	Max Power (Watts)	L" x W" x H"
2-way	802-2-9.500	1.000 - 18.000	SMA-F	30	2.38 x 1.00 x 0.38
2-way	802-2-10.000	2.000 - 18.000	SMA-F	30	2.38 x 1.00 x 0.38
2-way	802-2-16.250	6.000 - 26.500	SMA-F	30	1.06 x 1.56 x 0.38
2-way	802-3-23.000	6.000 - 40.000	2.92mm-F	30	1.55 x 1.06 x 0.38
2-way	802-3-29.000	18.000 - 40.000	2.92mm-F	30	1.55 x 1.06 x 0.38
2-way	802-3-30.000	26.000 - 34.000	2.92mm-F	30	1.55 x 1.06 x 0.38
2-way	802-5-23.000	6.000 - 40.000	2.4mm-F	30	1.66 x 1.06 x 0.38
2-way	802-5-29.000	18.000 - 40.000	2.4mm-F	30	1.66 x 1.06 x 0.38
2-way	802-5-30.000	26.000 - 34.000	2.4mm-F	30	1.66 x 1.06 x 0.38
4-way	804-2-10.000	2.000 - 18.000	SMA-F	30	3.60 x 2.00 x 0.38
4-way	804-2-16.250	6.000 - 26.500	SMA-F	30	2.00 x 2.25 x 0.38
4-way	804-3-23.000	6.000 - 40.000	2.92mm-F	30	2.05 x 2.00 x 0.38
4-way	804-3-29.000	18.000 - 40.000	2.92mm-F	30	2.05 x 2.00 x 0.38
4-way	804-3-30.000	26.000 - 34.000	2.92mm-F	30	2.05 x 2.00 x 0.38
4-way	804-5-23.000	6.000 - 40.000	2.4mm-F	30	2.16 x 2.00 x 0.38
4-way	804-5-29.000	18.000 - 40.000	2.4mm-F	30	2.16 x 2.00 x 0.38
4-way	804-5-30.000	26.000 - 34.000	2.4mm-F	30	2.16 x 2.00 x 0.38

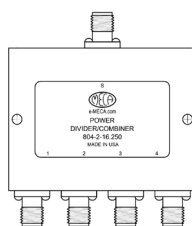
* As Divider Only



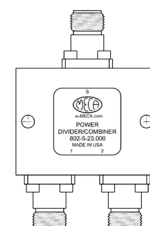
802-3-23.000



804-3-23.000



804-2-16.250



802-5-23.000

Terminations



Series	Max Power (Watts)	Connector	Freq (GHz)	L" x OD" (Nom)
468-1	1	2.92mm-M	Hz - 40.0	.58 x .28
468-2	1	2.92mm-F	Hz - 40.0	.62 x .28
469-1	0.5	2.4mm-M	Hz - 50.0	.76 x .30
469-2	0.5	2.4mm-F	Hz - 50.0	.79 x .30

Attenuators



Series	Max Power (Watts)	Attenuation (dB)	Freq (GHz)	Connector	L" x OD"
667-dB-1	2	3, 6 & 10	Hz - 26.5	2.92mm M / F	0.88 x 0.28
667-dB-1	2	20 & 30	Hz - 26.5	2.92mm M / F	1.01 x 0.28
668-dB-1H	2	3, 6, 10, 20 & 30	Hz - 40.0	2.92mm M / F	0.88 x 0.28
669-dB-1	0.5	3, 6, 10, 20 & 30	Hz - 50.0	2.4mm M / F	1.12 x 0.312



Couplers



Series	Freq (GHz)	Coupling value (dB)	Connector	L" x W" X D"
780-dB-9.500-M01	1.000 - 18.000	10 & 20	SMA-F	1.35 x 4.23 x 0.50
780-dB-10.000	2.000 - 18.000	6, 10, 20 & 30	SMA-F	1.40 x 2.88 x 0.40
765-dB-23.000	6.000 - 40.000	10 & 20	2.92mm-F	1.42 x 1.81 x 0.50
765-dB-29.000	18.000 - 40.000	10 & 20	2.92mm-F	1.42 x 1.81 x 0.50
765-dB-30.000	26.000 - 34.000	10 & 20	2.92mm-F	1.42 x 1.81 x 0.50
750-dB-23.000	6.000 - 40.000	10 & 20	2.4mm-F	1.43 x 1.92 x 0.50
750-dB-29.000	18.000 - 40.000	10 & 20	2.4mm-F	1.43 x 1.92 x 0.50
750-dB-30.000	26.000 - 34.000	10 & 20	2.4mm-F	1.43 x 1.92 x 0.50



Adapters

Series	Freq (GHz)	Connector	L" x OD"
ALM-LF	Hz - 50.0	2.4mm M / F	0.80 x 0.36
ALM-LM	Hz - 50.0	2.4mm M / M	0.83 x 0.36
ALF-LF	Hz - 50.0	2.4mm F / F	0.83 x 0.36
ALM-KM	Hz - 40.0	2.4mm M / 2.92mm M	0.81 x 0.36
ALM-KF	Hz - 40.0	2.4mm M / 2.92mm F	0.81 x 0.36
ALF-KF	Hz - 40.0	2.4mm F / 2.92mm F	0.77 x 0.36
ALF-KM	Hz - 40.0	2.4mm F / 2.92mm M	0.77 x 0.36
AKM-KF	Hz - 40.0	2.92mm M / 2.92mm F	0.73 x 0.36
AKM-KM	Hz - 40.0	2.92mm M / 2.92mm M	0.80 x 0.36
AKF-KF	Hz - 40.0	2.92mm F / 2.92mm F	0.79 x 0.36



Bias Tees / DC Block

Series	Freq (GHz)	Connector	DC Voltage	DC Current / Type	L" x W" x D"
208K-MF-5	0.50 - 26.5	2.9mm M / F	25 VDC Max	750 mA	1.20 x 1.63 x .515
209K-MF-5	0.100 - 40.0	2.9mm M / F	25 VDC Max	150 mA	1.20 x 1.63 x .515
210L-MF-5	0.100 - 50.000	2.4mm M / F	25 VDC Max	150 mA	1.20 x 1.63 x .515
500-1K	0.250 - 40.000	2.92mm M / F	75 VDC	Inner	0.86 x 0.28
500-1L	0.100 - 50.000	2.4mm M / F	25 VDC	Inner	1.125 x 0.30



Isolators

Series Series	Max Power (Watts)	Connector	Freq (GHz)	Isolation (Typ)	L" x W" X D"
IK-22.250	2W	2.92mm-F	18.000 - 26.500	20	0.85 x 1.25 x 0.50
IK-29.000	2W	2.92mm-F	27.000 - 31.000	22	0.85 x 1.25 x 0.50
IK-33.250	2W	2.92mm-F	26.500 - 40.000	16	0.85 x 1.25 x 0.50
IK-38.500	2W	2.92mm-F	37.000 - 40.000	18	0.85 x 1.25 x 0.50



MECA's New mmWAVE Products

MECA Electronics (Microwave Equipment & Components of America) has served the RF & Microwave industry with equipment and passive components since 1961. Now with expanded capabilities up to 50 GHz including Power Dividers, Couplers, Attenuators, Terminations, DC Blocks, Bias Tees, Adapters and Isolators. MECA is a privately held ISO9001:2008/2015 registered global designer and manufacturer for the communications industry with products manufactured in the USA.



MECA Electronics, Inc.

459 E. Main St.

Denville, NJ 07834

T: 973-625-0661

F: 973-625-9277

sales@e-MECA.com

www.e-MECA.com

