



Microwave Equipment &
Components of America

MECA Electronics, Inc. 5G/Millimeter Wave Products

Power Divider/Combiners

Directional Couplers

Terminations

Attenuators

DC Blocks

Bias Tees

Isolators



5G

mmWave Products

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Issue #4





Power Dividers/Combiners

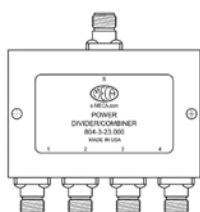


Split	Series	Freq (GHz)	Connector	Max Power (Watts)	L" x W" x H"
2-way	802-2-9.500	1.000 - 18.000	SMA-F	30	2.38 x 1.00 x 0.38
2-way	802-2-10.000	2.000 - 18.000	SMA-F	30	2.38 x 1.00 x 0.38
2-way	802-2-16.250	6.000 - 26.500	SMA-F	30	1.06 x 1.56 x 0.38
2-way	802-3-23.000	6.000 - 40.000	2.92mm-F	30	1.55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

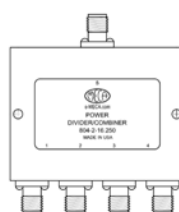
* As Divider Only



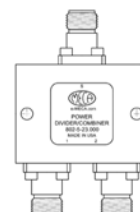
802-3-23.000



804-3-23.000



804-2-16.250

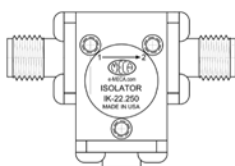


802-5-23.000

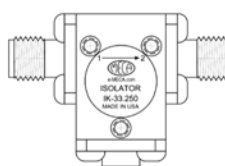
Isolators



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-22.250

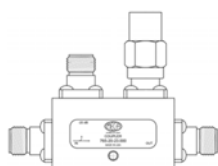


IK-33.250

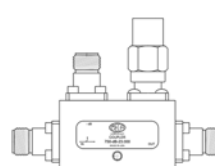
Couplers



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
750-dB-23.000	6.000 - 40.000	10 & 20	2.4mm-F	1.43 x 1.92 x 0.50



765-dB-23.000



750-dB-23.000



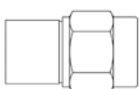
Terminations



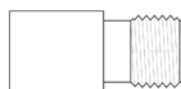
Series	Max Power (Watts)	Connector	Freq (GHz)	L" x OD" (Nom)
468-1	1	2.92mm-M	Hz - 40.0	.58 x .28
468-2	1	2.92mm-F	Hz - 40.0	.62 x .28
469-1	0.5	2.4mm-M	Hz - 50.0	.76 x .30
469-2	0.5	2.4mm-F	Hz - 50.0	.79 x .30



469-1



468-1



468-2



469-2

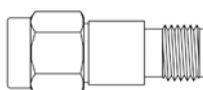


Attenuators

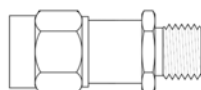
Series	Max Power (Watts)	Attenuation (dB)	Freq (GHz)	Connector	L" x OD"
667-dB-1	2	3, 6 & 10	Hz - 26.5	2.92mm M / F	0.88 x 0.28
667-dB-1	2	20 & 30	Hz - 26.5	2.92mm M / F	1.01 x 0.28
668-dB-1H	2	3, 6, 10, 20 & 30	Hz - 40.0	2.92mm M / F	0.88 x 0.28
669-dB-1	0.5	3, 6, 10, 20 & 30	Hz - 50.0	2.4mm M / F	1.12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



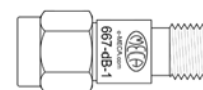
669-dB-1



665-dB-1



668-dB-1H



667-dB-1



Bias Tees / DC Blocks

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



500-1L



208K-MF-5



209K-MF-5



210K-MF-5



Adapters

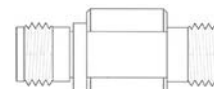
Series	Freq (GHz)	Connector	L" x OD"
ALM-LF	Hz - 50.0	2.4mm M / F	0.80 x 0.36
ALM-LM	Hz - 50.0	2.4mm M / M	0.83 x 0.36
ALF-LF	Hz - 50.0	2.4mm M / F	0.83 x 0.36



ALM-LF



ALM-LM



ALF-LF

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**Microwave Equipment &
Components of America**

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.



5G

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