

Waveguide Adapters

SMA • 7mm Types

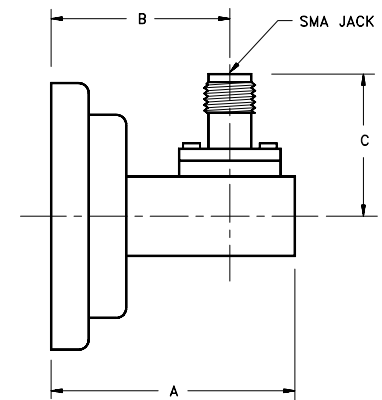
SMA and 3.5mm High Performance

- 7.0 - 26.5 GHz in Full Octave Frequency Bands
- Low VSWR - 1.15 Typical, 1.25 max
- Light Weight Aluminum Construction
- System or Laboratory use

Midwest Microwave's series of waveguide to SMA coaxial adapters provide a precise and efficient method of accomplishing the transition from waveguide to SMA miniature coaxial line. They possess excellent performance characteristics throughout the frequency bands specified for each waveguide size. They are constructed of lightweight aluminum and utilize passivated stainless steel connectors. The SMA female jack or male plug are standard and each unit is also available with a choke flange if it is so desired.



FREQUENCY RANGE (GHz)	MODEL NUMBER	FITS W/G SIZE	W/G FLANGE TYPE	SIZE INCHES (mm)		
				DIM A	DIM B	DIM C
7.0 - 11.0	WGA-3624-SF-W02-79	WR-102	No UG #	1.29 (32.8)	0.90 (22.9)	0.88 (22.4)
8.2 - 12.4	WGA-3625-SF-W90-79	WR-90	UG-135/U	1.29 (32.8)	0.90 (22.9)	0.73 (18.5)
10.0 - 15.0	WGA-3686-3F-W75-79	WR-75	No UG #	1.26 (32.0)	0.90 (22.8)	0.70 (17.7)
12.4 - 18.0	WGA-3627-SF-W62-79	WR-62	UG1665/U	1.20 (30.5)	0.88 (22.4)	0.69 (17.5)
18.0 - 26.5	WGA-3688-3F-W42-79	WR-42	UG595/U	1.00 (25.4)	0.73 (18.5)	0.59 (15.0)



- Notes: 1. To designate SMA Male connector, use 3614, 3615, 3696, 3617, and 3698 respectively and substitute "M" for "F" in the ninth digit of the Model No. Dimension "C" will change slightly.
 2. 18 - 26.5 GHz Models use 3.5 Precision Connectors compatible with SMA.
 3. To designate Choke Flange, substitute "C02" for "W02" etc. in Model No.

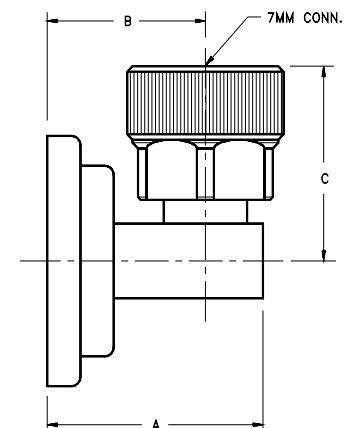
7mm Precision Performance

- Full Octave Frequency Bands
- Low VSWR - 1.15 Typical, 1.25 max
- Light Weight Aluminum Construction
- System or Laboratory use

Midwest Microwave's series of waveguide to 7mm coaxial adapters provide a precise method of accomplishing the transition from waveguide to precision 7mm coaxial line. They possess excellent performance characteristics and are totally compatible with all test equipment that utilize the IEEE 7mm standard connector. They are constructed of lightweight aluminum and utilize Midwest Microwaves own precision 7mm connectors that meet that standard.



FREQUENCY RANGE (GHz)	MODEL NUMBER	FITS W/G SIZE	W/G FLANGE TYPE	SIZE INCHES (mm)		
				DIM A	DIM B	DIM C
7.0 - 11.0	WGA-3674-7M-W02-79	WR-102	NO UG#	1.29 (32.8)	0.90 (22.9)	1.10 (27.9)
8.2 - 12.4	WGA-3675-7M-W90-79	WR-90	UG-135/U	1.29 (32.8)	0.90 (22.9)	1.14 (29.0)
12.4 - 18.0	WGA-3677-7M-W62-79	WR-62	UG1665/U	1.20 (30.5)	0.90 (22.9)	1.03 (26.2)



- Note: 1. To designate Choke Flange, substitute "C02" for "W02" etc. in Model No.



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SKU	Product	Frequency	Power	Body	Interface	Gender	dB	
Waveguide to Coaxial 3.5mm Adapter								
WGA-3686-3F-C75-79	Waveguide Adapter	15		WR-75	3.5mm	F		More Details
WGA-3686-3F-W75-79	Waveguide Adapter	15		WR-75	3.5mm	F		More Details
WGA-3688-3F-C42-79	Waveguide Adapter	26.5		WR-42	3.5mm	F		More Details
WGA-3688-3F-W42-79	Waveguide Adapter	26.5		WR-42	3.5mm	F		More Details
WGA-3696-3M-C75-79	Waveguide Adapter	15		WR-75	3.5mm	M		More Details
WGA-3696-3M-W75-79	Waveguide Adapter	15		WR-75	3.5mm	M		More Details
WGA-3698-3M-C42-79	Waveguide Adapter	26.5		WR-42	3.5mm	M		More Details
WGA-3698-3M-W42-79	Waveguide Adapter	26.5		WR-42	3.5mm	M		More Details
Waveguide to Coaxial 7mm Adapter								
WGA-3674-7M-C02-79	Waveguide Adapter	11		WR-102	7mm	X		More Details
WGA-3674-7M-W02-79	Waveguide Adapter	11		WR-102	7mm	X		More Details
WGA-3675-7M-C90-79	Waveguide Adapter	12.4		WR-90	7mm	X		More Details
WGA-3675-7M-W90-79	Waveguide Adapter	12.4		WR-90	7mm	X		More Details
WGA-3677-7M-C62-79	Waveguide Adapter	18		WR-62	7mm	X		More Details
WGA-3677-7M-W62-79	Waveguide Adapter	18		WR-62	7mm	X		More Details

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Attenuator
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ATT-0590-01-SSM-02
1 dB DC-18 Ghz Attenuator
Subminiature SSMA/SSMA 2
watt Passivated

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Waveguide to Coaxial SMA Adapter

WGA-3614-SM-C02-79	Waveguide Adapter	11	WR-102	SMA	M	More Details
WGA-3614-SM-W02-79	Waveguide Adapter	11	WR-102	SMA	M	More Details
WGA-3615-SM-C90-79	Waveguide Adapter	12.4	WR-90	SMA	M	More Details
WGA-3615-SM-W90-79	Waveguide Adapter	12.4	WR-90	SMA	M	More Details
WGA-3617-SM-C62-79	Waveguide Adapter	18	WR-62	SMA	M	More Details
WGA-3617-SM-W62-79	Waveguide Adapter	18	WR-62	SMA	M	More Details
WGA-3624-SF-C02-79	Waveguide Adapter	11	WR-102	SMA	F	More Details
WGA-3624-SF-W02-79	Waveguide Adapter	11	WR-102	SMA	F	More Details
WGA-3625-SF-C90-79	Waveguide Adapter	12.4	WR-90	SMA	F	More Details
WGA-3625-SF-W90-79	Waveguide Adapter	12.4	WR-90	SMA	F	More Details
WGA-3627-SF-W62-79	Waveguide Adapter	18	WR-62	SMA	F	More Details

Waveguide to Coaxial TNC Adapter

WGA-3654-TM-C02-79	Waveguide Adapter	11	WR-102	TNC	M	More Details
WGA-3654-TM-W02-79	Waveguide Adapter	11	WR-102	TNC	M	More Details
WGA-3655-TM-C90-79	Waveguide Adapter	12.4	WR-90	TNC	M	More Details
WGA-3655-TM-W90-79	Waveguide Adapter	12.4	WR-90	TNC	M	More Details
WGA-3657-TM-C62-79	Waveguide Adapter	18	WR-62	TNC	M	More Details
WGA-3657-TM-W62-79	Waveguide Adapter	18	WR-62	TNC	M	More Details
WGA-3664-TF-C02-79	Waveguide Adapter	11	WR-102	TNC	F	More Details
WGA-3664-TF-W02-79	Waveguide Adapter	11	WR-102	TNC	F	More Details

WGA-3665-TF-C90-79	Waveguide Adapter	12.4	WR-90	TNC	F	More Details
WGA-3665-TF-W90-79	Waveguide Adapter	12.4	WR-90	TNC	F	More Details
WGA-3667-TF-C62-79	Waveguide Adapter	18	WR-62	TNC	F	More Details
WGA-3667-TF-W62-79	Waveguide Adapter	18	WR-62	TNC	F	More Details
Waveguide to Coaxial Type N Adapter						
WGA-3634-NM-C02-79	Waveguide Adapter	11	WR-102	N	M	More Details
WGA-3634-NM-W02-79	Waveguide Adapter	11	WR-102	N	M	More Details
WGA-3635-NM-C90-79	Waveguide Adapter	12.4	WR-90	N	M	More Details
WGA-3635-NM-W90-79	Waveguide Adapter	12.4	WR-90	N	M	More Details
WGA-3637-NM-C62-79	Waveguide Adapter	18	WR-62	N	M	More Details
WGA-3637-NM-W62-79	Waveguide Adapter	18	WR-62	N	M	More Details
WGA-3644-NF-C02-79	Waveguide Adapter	11	WR-102	N	F	More Details
WGA-3644-NF-W02-79	Waveguide Adapter	11	WR-102	N	F	More Details
WGA-3645-NF-C90-79	Waveguide Adapter	12.4	WR-90	N	F	More Details
WGA-3645-NF-W90-79	Waveguide Adapter	12.4	WR-90	N	F	More Details
WGA-3647-NF-C62-79	Waveguide Adapter	18	WR-62	N	F	More Details
WGA-3647-NF-W62-79	Waveguide Adapter	18	WR-62	N	F	More Details

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