

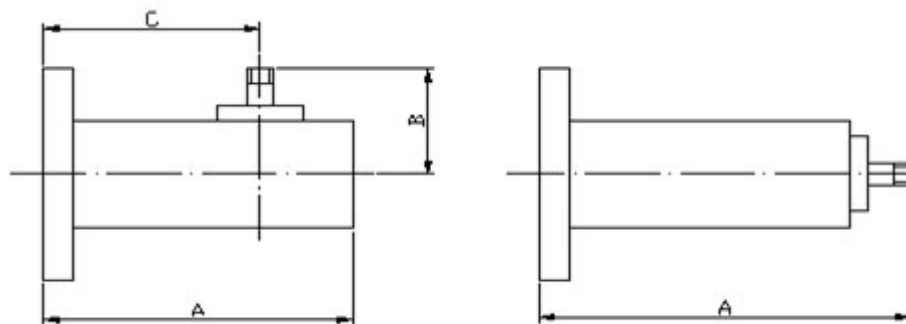
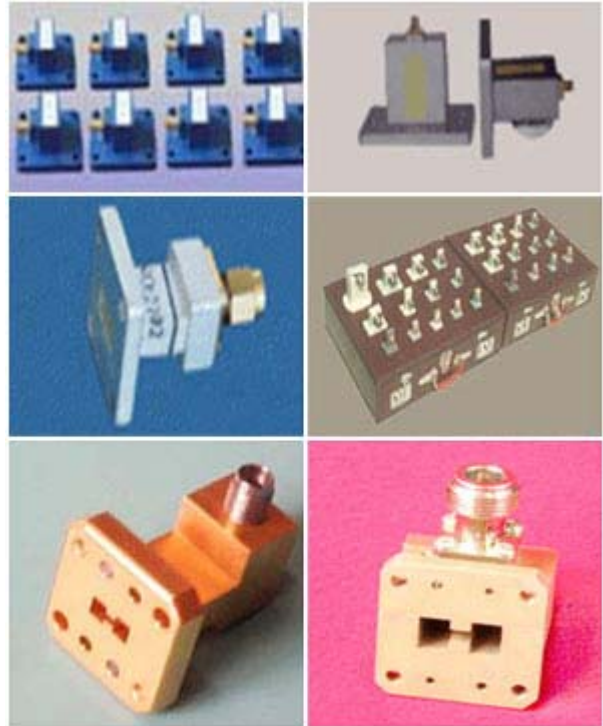
### **Standard Rectangular Waveguide-to-Coaxial Adapters**

**LOWEST VSWR**  
**LOW INSERTION LOSS**  
**NARROW AND BROAD BANDWIDTHS**

CMI offers a wide range of Adapters for specialized applications requiring non-standard rectangular waveguides and/or frequency bands. They allow transmission of power in either direction with the lowest possible reflection. This is achieved by using broadband matching techniques. High power adapters are available up to the power rating of the connector requested.

Requirements for other bands, waveguide heights and in-line adapters can also be satisfied. Assemblies are furnished with aluminum housing. Finish is chromate conversion per MIL-C-5541, Class3, painted with gray epoxy enamel.

The Standard Model Numbers above are the most common parts ordered for size, material and flange. However, these models can easily be altered to accommodate your needs by using the above Model # code system. Standard Connectors are SMA and Type-N, Connectors such as SC, TNC, and 7/16 are available. Consult the factory for details.



**CALL OUR SALES DEPARTMENT FOR MORE INFORMATION OR VARIATIONS OF THIS PRODUCT.**

**Corry Micronics, Inc. One Plastics Rd. - Corry, PA 16407**  
**(814) 664-7728 Fax (814) 664-4582 [www.cormic.com](http://www.cormic.com)**

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Typical Part #:                      WGSize - SMA/N    Material - Flange

Basic Model#:

Material:    A=Alum, B=Brass

Flange:        1=CPRG, 2=CPRF, 6=Cover, 7=Choke

**Example:**

CMI187-SMAA-6 is WR187-SMA(F)WG-Coax Adapter, Aluminum Material, Cover Flange

### Standard Waveguide to Coax Adapters

WG Size	Freq GHz	SMA (F) Model No.*	Type N (F) Model No.*	VSWR (Max.)	Outline A X B X C (mm)
WR650	1.12 - 1.70	CMI650-SMAA-2	CMI650-NA-2	1.4	170 x 70 x 46
WR430	1.70 - 2.60	CMI430- SMAA-2	CMI430-NA-2	1.4	113 x 56 x 33
WR340 x 28	2.20 - 3.30	CMI340- SMAA-2	CMI340-NA-2	1.25	93 x 51
WR284	2.60 - 3.95	CMI84- SMAA-6	CMI284-NA-6	1.25	57 x 46 x 19
WR229	3.30 - 4.90	CMI229- SMAB-2	CMI229-NB-2	1.25	
WR187	3.95 - 5.85	CMI187- SMAA-6	CMI187-NA-6	1.25	57 x 40 x 23
WR159	4.90 - 7.05	CMI159- SMAB-2	CMI159-NB-2	1.25	51 x 38 x 15.5
WR137	5.85 - 8.20	CMI137- SMAB-2	CMI137-NB-2	1.25	47 x 37 x 16
WR112	7.05 - 10.0	CMI112- SMAB-6	CMI112-NB-6	1.25	42 x 35 x 18
WR90	8.20 - 12.4	CMI90- SMAA-6	CMI90-NA-6	1.25	32 x 30 x 8
WR75	10.0 - 15.0	CMI75- SMAB-6	CMI75-NB-6	1.25	39 x 17 x 9
WR62	12.4 - 18.0	CMI62- SMAB-6	CMI62-NB-6	1.25	27 x 18 x 10
WR51	15.0 - 22.0	CMI51- SMAB-6	N/A	1.50	30 x 14 x 11
WR42	18.0 - 26.5	CMI42- KB-6	N/A	1.80	28 x 16 x 8.5
WR34	22.0 - 33.0	CMI34-KB-6**	N/A	1.25	
WR28	26.5 - 40.0	CMI28-KA-6**	N/A	1.25	

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Typical Part #:

WGSize - SMA/N

Material - Flange

Basic Model#:

Material: A=Alum, B=Brass

Flange: 1=CPRG, 2=CPRF, 6=Cover, 7=Choke

### End launch Waveguide to Coax Adapters - SMA & Type-N

WG Size	Frequency Range (GHz)	Model No.	VSWR (Max.)	Connectors	Length (mm)
WR284	2.60 ~ 3.95	CMI284-NA-2	1.25	N	90
WR229	3.30 ~ 4.90	CMI229-NA-2	1.25	N	
WR187	3.95 ~ 5.85	CMI187-NA-2	1.25	N	
WR159	4.90 ~ 7.05	CMI159-NA-2	1.25	N	79.6
WR137	5.85 ~ 8.20	CMI137-SMAA-2	1.25	SMA	64.5
WR137	5.90 ~ 8.20	CMI137-NA-2	1.25	N	31.6
WR112	7.05 ~ 10.0	CMI112-NA-2	1.25	N	
WR112	7.05 ~ 10.0	CMI112-SMAA-2	1.25	SMA	
WR90	8.20 ~ 12.4	CMI90-NB-2	1.25	N	61.6
WR90	8.20 ~ 12.4	CMI90-SMAB-2	1.25	SMA	53.5
WR75	10.0 ~ 15.0	CMI75-NB-2	1.25	N	72
WR75	10.0 ~ 15.0	CMI75-SMAB-2	1.25	SMA	38.5
WR62	12.4 ~ 18.0	CMI62-NB-2	1.25	N	
WR62	12.4 ~ 18.0	CMI62-SMAB-2	1.25	SMA	32
WR51	15.0 ~ 22.0	CMI51-SMAB-2	1.5	SMA	33.5
WR42	18.0 ~ 26.5	CMI42-KB-2	1.5	K	
WR34	22.0 ~ 33.0	CMI34-KB-2	1.8	K	
WR28	26.5 ~ 40.0	CMI28-KB-2	1.8	K	

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### **Double Ridge Waveguide to Coax Adapters**

<b>WG Size</b>	<b>Freq GHz</b>	<b>SMA Model No.*</b>	<b>Type N Model No.*</b>	<b>VSWR max</b>
WRD180	7.5 - 18.0	CMID180-SMAB-2 **	CMID180-NB-2	-
WRD750	7.5 - 18.0	CMID750- SMAB-2	CMID750-NB-2	1.5
WRD650	6.5 - 18.0	CMID650- SMAB-2	CMID650- NB-2	1.5
WRD580	5.8 - 16.0	CMID580- SMAB-2	CMID580- NB-2	1.5
WRD475	4.75 - 11.0	CMID475- SMAB-2	CMID475- NB-2	1.5

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