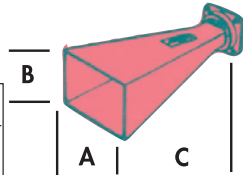




Waveguide Components

Lightweight
Corrosion Protection
Low VSWR
Other gains and brackets available

STANDARD GAIN HORN



WG Size (WR)	Freq (GHz)	Model No. (10dB Gain)	Model No. (15dB Gain)	Model No. (20dB Gain)	10dB Gain			15dB Gain			20dB Gain		
					C	B	A	C	B	A	C	B	A
WR 650	1.12 - 1.70	SH650-10	SH650-15	SH650-20	15.98	6.07	12.14	29.13	13.78	19.69	N/A	N/A	N/A
WR 430	1.70 - 2.60	SH430-10	SH430-15	SH430-20	10.5	4.00	8.00	12.2	8.66	12.60	40.5	16.0	22.0
WR 340	2.20 - 3.30	SH340-10	SH340-15	SH340-20	9.0	3.43	5.71	15.63	6.69	9.45	35.00	11.81	18.79
WR 284	2.60 - 3.95	SH284-10	SH284-15	SH284-20	7.50	3.46	4.72	15.34	5.83	7.96	29.75	10.67	15.57
WR 229	3.30 - 4.90	SH229-10	SH229-15	SH229-20	6.45	2.36	3.62	12.37	4.33	6.42	22.40	8.27	12.25
WR 187	3.95 - 5.85	SH187-10	SH187-15	SH187-20	5.50	2.12	2.89	9.40	3.57	4.88	15.05	6.53	8.92
WR 159	4.09 - 7.05	SH159-10	SH159-15	SH159-20	4.28	1.58	2.68	8.00	3.15	4.33	13.75	6.30	8.27
WR 137	5.85 - 8.20	SH137-10	SH137-15	SH137-20	3.15	1.48	2.02	6.51	2.50	3.42	12.19	4.57	6.26
WR 112	7.05 - 10.0	SH112-10	SH112-15	SH112-20	2.55	1.18	1.63	6.65	2.15	2.93	10.78	3.64	4.97
WR 102	7.00 - 11.0	SH102-10	SH102-15	SH102-20	3.00	1.14	1.58	6.00	2.23	3.04	11.13	3.94	5.57
WR 90	8.20 - 12.4	SH90-10	SH90-15	SH90-20	2.01	1.15	1.58	5.46	1.95	2.66	10.06	3.62	4.87
WR 75	10.0 - 15.0	SH75-10	SH75-15	SH75-20	1.94	0.92	1.26	4.69	1.33	2.25	8.00	2.98	3.88
WR 62	12.4 - 18.0	SH62-10	SH62-15	SH62-20	1.61	0.68	0.93	3.31	1.15	1.57	5.75	2.11	2.88
WR 51	15.0 - 22.0	SH51-10	SH51-15	SH51-20	1.43	0.56	0.77	2.84	1.00	1.36	4.88	1.93	2.51
WR 42	18.0 - 26.5	SH42-10	SH42-15	SH42-20	1.25	0.44	0.60	2.37	0.85	1.14	4.00	1.56	2.13
WR 34	22.0 - 33.0	SH34-10	SH34-15	SH34-20	1.13	0.39	0.53	2.12	0.70	0.95	3.56	1.29	1.76
WR 28	26.5 - 40.0	SH28-10	SH28-15	SH28-20	1.00	0.33	0.45	1.87	0.55	0.76	3.12	1.01	1.38



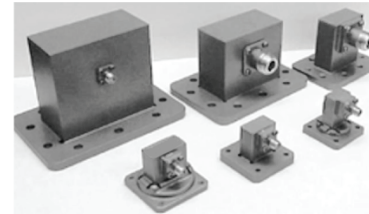
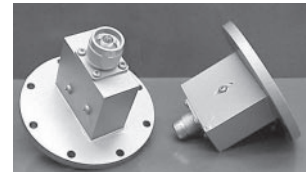
WAVEGUIDE TO COAX ADAPTERS

Full Waveguide Frequency Range
VSWR over Frequency Range 1.25 max.
Rectangular Waveguide

* K connectors & Square Flange
Flange Code: 2=CPRF; 6=Cover
Example: WCA650-2
Other Flange Types Available



Waveguide Size	Freq (GHz)	Model No. (SMA)	Model No. (Type N)	Model No. (SMA)	Model No. (Type N)
WR 650	1.12 - 1.70	WCA650-2	WCA650-2N	N/A	N/A
WR 430	1.70 - 2.60	WCA430-2	WCA430-2N	N/A	N/A
WR 284	2.60 - 3.95	WCA284-6	WCA284-6N	ECA284-2	ECA284-2N
WR 229	3.30 - 4.90	WCA229-2	WCA229-2N	ECA229-2	ECA229-2N
WR 187	3.95 - 5.85	WCA187-6	WCA187-6N	ECA187-2	ECA187-2N
WR 159	4.90 - 7.05	WCA159-2	WCA159-2N	ECA159-2	ECA159-2N
WR 137	5.80 - 8.20	WCA137-2	WCA137-2N	ECA137-2	ECA137-2N
WR 112	7.05 - 10.0	WCA112-6	WCA112-6N	ECA112-2	ECA112-2N
WR 90	8.20 - 12.4	WCA90-6	WCA90-6N	ECA90-2	ECA90-2N
WR 75	10.0 - 15.0	WCA75-6	WCA75-6N	ECA75-2	ECA75-2N
WR 62	12.4 - 18.0	WCA62-6	WCA62-6N	ECA62-2	ECA62-2N
WR 51	15.0 - 22.0	WCA51-6	N/A	N/A	N/A
WR 42	18.0 - 26.5	WCA42-6	N/A	N/A	N/A
WR 34	22.0 - 33.0	WCA34-6	N/A	N/A	N/A
WR 28	26.5 - 40.0	WCA28-6	N/A	N/A	N/A



WAVEGUIDE PHASE SHIFTER

Mechanical phase adjustment
Driver shaft and lock
Motor drive available

WG Size (WR)	Freq (GHz)	Min. Phase Adjust	VSWR Max	Model No.
159	5.90 - 6.40	360	1.15	WS159
137	5.90 - 6.40	360	1.15	WS137
112	7.90 - 6.40	360	1.15	WS112
75	14.0 - 14.5	360	1.15	WS75
62	14.0 - 14.5	360	1.15	WS62

Flange Code: 2=CPRG; 6=Cover; 7=Choke

DOUBLE RIDGE WAVEGUIDE/COAX ADAPTERS

Waveguide Size	Freq (GHz)	Model No. (SMA)	Model No. (Type N)
WRD 750	7.50 - 18.0	DR750-S	DR750-N
WRD 650	6.50 - 18.0	DR650-S	DR650-N
WRD 580	5.80 - 16.0	DR580-S	DR580-N
WRD 475	4.75 - 11.0	DR475-S	DR475-N

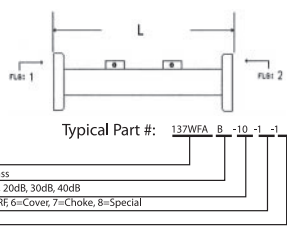
Flange Code: C3=Cover, G3 = Grooved (WRD)
Example: DR750-S-C3
Other Flange Types Available

WAVEGUIDE FIXED ATTENUATORS

Description:
IFI offers a series of rectangular waveguide attenuators covering the waveguide sizes WR-28 through WR-650. The assembly construction includes a precision element for optimum electrical performance.



Ordering Information:



Basic Model#: _____
Material: A=Alum, B=Brass
Attenuation: 3dB, 6dB, 10dB, 20dB, 30dB, 40dB
Flange 1: 1=CPRG, 2=CPRF, 6=Cover, 7=Choke, 8=Special
Flange 2: See Above

Basic Model No.	WG Size	Freq (GHz)	Length Inches	Power Watt
284WFA	WR284	2.60 - 3.95	10	11
229WFA	WR229	3.30 - 4.90	9	9
187WFA	WR187	3.95 - 5.85	8.5	7
159WFA	WR159	4.90 - 7.05	8	5
137WFA	WR137	5.95 - 8.20	6	4
112WFA	WR112	7.05 - 10.0	5	3
90WFA	WR90	8.20 - 12.4	4	2
75WFA	WR75	10.0 - 15.0	3.5	1
62WFA	WR62	12.4 - 18.0	3	1
51WFA	WR51	15.0 - 22.0	3	1
42WFA	WR42	18.0 - 26.5	3	1
34WFA	WR34	22.0 - 33.0	3	1
28WFA	WR28	26.5 - 40.0	3	1

INSTRUMENTS FOR INDUSTRY INC.

IFI 中国总代理: 北京康泰电子有限公司

Tel: 8610-58731155 • Email: sales@quatronix-cn.com

www.ifi.com (英文) www.quatronix-cn.com (中文)