

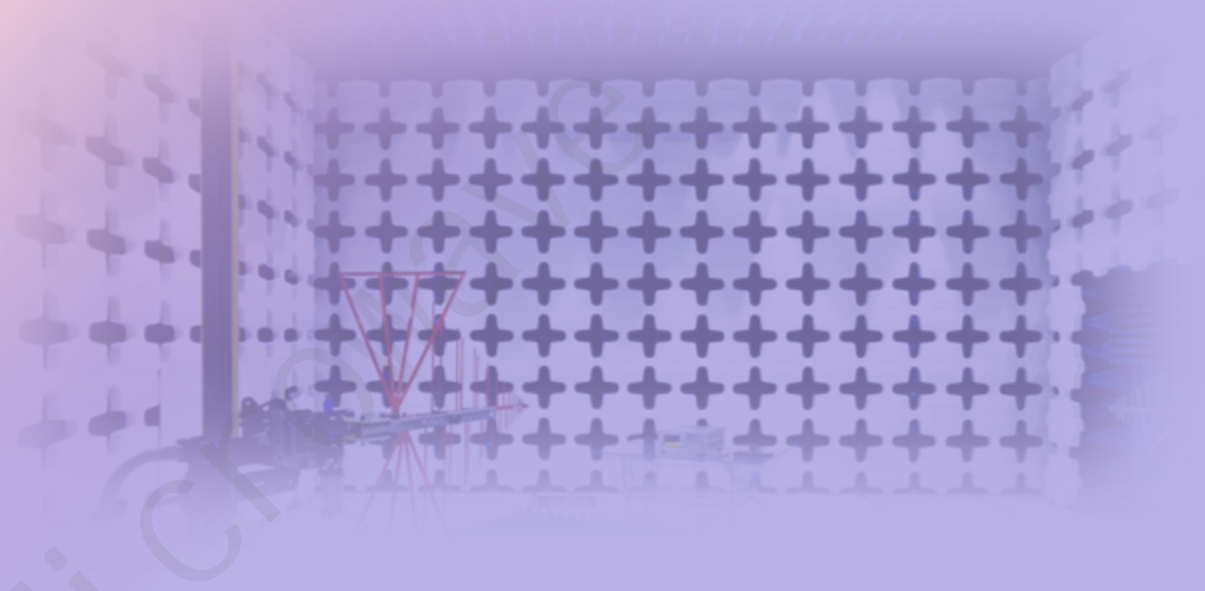


TOPTECH

MICROWAVE

WICKOMVAE

LOBTECH



INTRODUCTION OF WAVAGUIDE 2022

Your global partner for competitive waveguide solutions.

TopTech



About Us

Since its inception in 2015, Toptech has been served as a leading antennas & waveguide products supplier in China. With its experienced engineering team, Toptech is committed to provide high quality and competitive COTS and customized products to global market.

The company engaged in developing, producing and marketing a wide range of antennas, antenna feeds and waveguide products for commercial, defense and medical applications. The antennas and waveguide products can cover a extremely wide frequency range from 0.03GHz to 500GHz, 0.32GHz to 325GHz respectively.

Toptech excel in rapid prototyping and customization. Its high quality services guaranteed by the complete production line, advanced test equipment and logistics system. With its rich proven experience and impressive growth, the company has launched many cutting-edge product, and established a business partnership with worldwide market leading OEMs and government agencies.

Our Clients





● Rigid Waveguide

- Bend
 - Radius Bend Waveguide
 - Miter Bend Waveguide
 - Double Rigid Bend Waveguide
- Straight
 - Rectangular Straight Waveguide
 - Double Ridge Straight Waveguide
- Twist
 - Double Ridge Twist Waveguide

● Flexible Waveguide

- Flexible&Non-twistable
- Flexible&Twistable

● Waveguide assemblies

- Waveguide ET
- Waveguide HT
- Waveguide Magic Tee

● Waveguide Components

- Adapter
 - WG to Coaxial Adapter-Right Angle
 - WG to Coaxial Adapter-End-launch
 - WG to Coaxial Adapter-Double-Ridge
 - WG to Coaxial Adapter-Double Ridge End-launch
 - WG to Coaxial Adapter-Double Ridge High Power
- WG Ortho-Mode Transducer
- Coupler
 - WG Coupler-Cross
 - WG Coupler-High Directional
 - WG Coupler-Loop
- Polarizer
- Load
 - WG Load - Precision & Low Power
 - WG Load - Sliding
 - WG Load - Low-Medium Power
 - WG Load - Medium Power
 - WG Load - High Power



- WG Load - Double Ridge Low Power
- WG Load - Double Ridge Medium Power
- WG Load - Double Ridge High Power
- Switch
 - WG Switch - Rectangular, SPDT/DPDT
 - WG Switch - Double Ridge, SPDT/DPDT
- Detector
- Attenuator
 - WG Fixed Attenuator-General Purpose
 - WG Precision Fixed Attenuator-Low Power
 - WG Precision Fixed Attenuator-Low-Medium Power
 - WG Precision Fixed Attenuator-High Power
 - WG Variable Attenuator
- Filter
 - WG Fliter-Band Pass
 - WG Fliter-Low Pass
 - WG Fliter-High Pass
- Isolator
- Circular

- **Accessories**
 - Short Plates
 - Flange Transitions
 - Gaskets
- **Rotary Joint**
 - WG Rotary Joint-I type
 - WG Rotary Joint-U type
 - WG Rotary Joint-L type

TopTech Microwave

▼ Radius Bend Waveguide

Feature:

- Cover a frequency range form **1.7GHz to 260.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Testing devices
- Radar antenna system
- Microwave radio
- Satellite communications
- Other application

90°E-Plane

P/N	EIA WRD	Frequency (GHz)	VSWR M.L./S.L. Max	Length (mm)	Flange	N. W.	Mat.
BRE430117	WR430	1.7-2.6	1.15	190	FDP22	1.17	Al
BRE284045	WR284	2.6-3.95	1.15	100	FDP32	0.45	Al
BRE187031	WR187	3.95-5.85	1.15	80	FDP48	0.31	Al
BRE137015	WR137	5.85-8.2	1.15	60	FDP70	0.15	Al
BRE90004	WR90	8.2-12.4	1.15	40	FBP100	0.04	Al
BRE62005	WR62	12.4-18.0	1.15	40	FBP140	0.05	Al/Cu
BRE42001	WR42	18.0-26.5	1.15	30	FBP220	0.01	Al/Cu
BRE28005	WR28	26.5-40.0	1.15	25	FBP320	0.05	Cu
BRE19010	WR19	40.0-60.0	1.15	25	FUGP500	0.1	Cu
BRE12002	WR12	60.0-90.0	1.15	20	FUGP740	0.02	Cu
BRE100015	WR10	75.0-110.0	1.15	20	FUGP900	0.015	Cu
BRE4004	WR4	170.0-260.0	1.15	25	UG387/U-M	0.04	Cu

90°H-Plane

P/N	EIA WRD	Frequency (GHz)	VSWR M.L./S.L. Max	Length (mm)	Flange	N. W.	Mat.
BRH430000	WR430	1.7-2.6	1.15	250	FDP22	-	Al
BRH284060	WR284	2.6-3.95	1.15	160	FDP32	0.6	Al
BRH187024	WR187	3.95-5.85	1.15	80	FDP48	0.24	Al
BRH137016	WR137	5.85-8.2	1.15	80	FDP70	0.16	Al
BRH90006	WR90	8.2-12.4	1.15	55	FBP100	0.06	Al
BRH62010	WR62	12.4-18.0	1.15	40	FBP140	0.1	Al
BRH42001	WR42	18.0-26.5	1.15	35	FBP220	0.01	Al
BRH28003	WR28	26.5-40.0	1.15	30	FBP320	0.03	Cu
BRH19008	WR19	40.0-60.0	1.15	25	FUGP500	0.08	Cu
BRH12003	WR12	60.0-90.0	1.15	16/50	FUGP740	0.03	Cu
BRH100015	WR10	75.0-110.0	1.15	25	FUGP900	0.015	Cu
BRH4004	WR4	170.0-260.0	1.15	25	UG387/U-M	0.04	Cu



▼ Miter Bend Waveguide

Feature:

- Cover a frequency range form **0.75GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Testing devices
- Radar antenna system
- Microwave radio
- Satellite communications
- Other application

90°E-Plane

P/N	EIA WRD	Frequency (GHz)	VSWR M.L./S.L. Max	Length (mm)	Flange	N. W.	Mat.
BME975000	WR975	0.75-1.12	1.2	150	FDP9(UDR9)	-	Al
BME650148	WR650	1.12-1.7	1.2	100	FDP14(UDR14)	1.48	Al
BME430078	WR430	1.7-2.6	1.2	115	FDP22(UDR22)	0.78	Al
BME284036	WR284	2.6-3.95	1.2	50	FDP32(UDR32)	0.36	Al
BME187021	WR187	3.95-5.85	1.15	40	FDP48(UDR48) FDM48(PDR48)	0.21	Al
BME137115	WR137	5.85-8.2	1.15	51	FDP70(UDR70)	0.15	Al/Cu
BME90009	WR90	8.2-12.4	1.15	30	FBP100(UBR100) FBM100(PBR100)	0.09	Al
BME62003	WR62	12.4-18.0	1.2	25	FBP140(UBR140)	0.03	Al
BME42004	WR42	18.0-26.5	1.15	20	FBP220(UBR220)	0.04	Cu
BME28003	WR28	26.5-40.0	1.2	15	FBP320(UBR320)	0.03	Cu

90°H-Plane

P/N	EIA WRD	Frequency (GHz)	VSWR M.L./S.L. Max	Length (mm)	Flange	N. W.	Mat.
BMH9750554	WR975	0.75-1.12	1.3	250	FDP9(UDR9)	5.54	Al
BMH6500188	WR650	1.12-1.7	1.3	180	FDP14(UDR14)	1.88	Al
BMH4300000	WR430	1.7-2.6	1.3	80	FDP22(UDR22)	-	Al
BMH2840042	WR284	2.6-3.95	1.3	80	FDP32(UDR32) FDM32(PDR32)	0.42	Al
BMH1870023	WR187	3.95-5.85	1.3	55	FDP48(UDR48) FDM48(PDR48)	0.23	Al
BMH1370014	WR137	5.85-8.2	1.3	51	FDP70(UDR70)	0.14	Al/Cu
BMH900007	WR90	8.2-12.4	1.3	30	FBP100(UBR100)	0.07	Al
BMH620005	WR62	12.4-18.0	1.3	25	FBP220(UBR220)	0.05	Al
BMH420006	WR42	18.0-26.5	1.3	20	FBP220(UBR220)	0.06	Cu
BMH280003	WR28	26.5-40.0	1.3	15	FBP220(UBR220)	0.03	Cu



▼ **Double Rigid Bend Waveguide**

Feature:

- Cover a frequency range form **6.6GHz to 18.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Testing devices
- Radar antenna system
- Microwave radio
- Satellite communications
- Other application



90°E-Plane

P/N	EIA WRD	Frequency (GHz)	VSWR M.L./S.L. Max	Length (mm)	Flange	N. W.	Mat.
BDRE650F28	WRD650	6.5-18.0	1.2	50	FPWRD650C28	-	Cu
BDRE750F24	WRD750	7.5-18.0	1.2	50	FPWRD750D24	0.37	Cu

90°H-Plane

P/N	EIA WRD	Frequency (GHz)	VSWR M.L./S.L. Max	Length (mm)	Flange	N. W.	Mat.
BDRH750F24	WRD750	7.5-18.0	1.2	60	FPWRD750C24	0.187	Cu

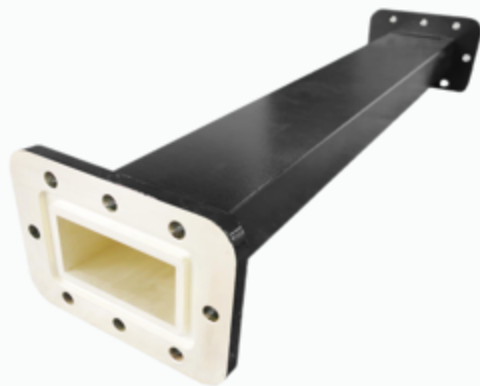
▼ Rectangular Straight Waveguide

Feature:

- Cover a frequency range form **0.75GHz to 325.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Testing devices
- Satellite communication
- Microwave radio
- Other application



P/N	EIA WRD	Frequency (GHz)	VSWR M.L./S.L. Max	Length (mm)	Flange	N. W.	Mat.
SWR976606	WR975	0.75-1.12	1.05	500	FDP9	6.06	Al
SWR650140	WR650	1.12-1.7	1.05	150	FDP14	1.4	Al
SWR430074	WR430	1.7-2.6	1.05	100	FDP22	0.74	Al
SWR284038	WR284	2.6-3.95	1.05	100	FDP32	0.38	Al
SWR187096	WR187	3.95-5.85	1.05	1200	FDP48	0.96	Al
SWR137012	WR137	5.85-8.2	1.05	50	FDP70	0.12	Al
SWR90004	WR90	8.2-12.4	1.05	50	FBP100	0.04	Al
SWR750035	WR62	12.4-18.0	1.05	50	FBP140	0.035	Al
SWR42004	WR42	18.0-26.5	1.05	50	FBP220	0.04	Cu
SWR28002	WR28	26.5-40.0	1.05	20	FBP320	0.02	Cu
SWR19005	WR19	40.0-60.0	1.1	25/40	FUGP500	0.05	Cu
SWR12002	WR12	60.0-90.0	1.1	25/40	FUGP740	0.02	Cu
SWR8003	WR8	90.0-140.0	1.1	30	APF8	0.03	Cu
SWR6003	WR6	110.0-170.0	1.1	30	APF6	0.03	Cu
SWR5003	WR5	140.0-220.0	1.20	30	APF5	0.03	Cu
SWR4003	WR4	170.0-260.0	1.20	30	APF4	0.03	Cu
SWR3003	WR3	220.0-325.0	1.20	30	APF3	0.03	Cu

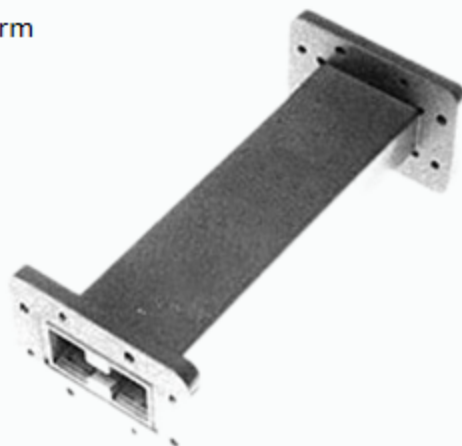
▼ Double Ridge Straight Waveguide

Feature:

- Cover a frequency range form **2.6GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Testing devices
- Radar antenna system
- Satellite communication
- Microwave radio
- Other application



P/N	EIA WRD	Fre. (GHz)	VSWR M.L./S.L. Max	Length (mm)	Flange	N. W.	Mat.
SWDR2500050	WRD250	2.6-7.8	1.15	200	FPWRD250D30	0.5	Cu
SWDR3500036	WRD350	3.5-8.2	1.15	210	FPWRD350D24	0.36	Al
SWDR4750000	WRD475	4.75-11.0	1.15	150	FPWRD475D24	-	Al
SWDR6500025	WRD650	6.5-18.0	1.15	150	FPWRD650D28	0.25	Cu
SWDR6500000	WRD650	6.5-18.0	1.15	200	FPWRD650D28	-	Cu
SWDR6500084	WRD650	6.5-18.0	1.15	1000	FPWRD650D28	0.84	Cu
SWDR6500075	WRD650	6.5-18.0	1.15	1016	FPWRD650D28	0.75	Cu
SWDR7500017	WRD750	7.5-18.0	1.15	100	FPWRD750D24	0.17	Cu
SWDR7500022	WRD750	7.5-18.0	1.15	150	FPWRD750D24	0.22	Cu
SWDR7500026	WRD750	7.5-18.0	1.15	200	FPWRD750D24	0.26	Cu
SWDR7500033	WRD750	7.5-18.0	1.15	300	FPWRD750D24	0.33	Cu
SWDR7500033	WRD750	7.5-18.0	1.15	305	FPWRD750D24	0.33	Cu
SWDR7500049	WRD750	7.5-18.0	1.15	500	FPWRD750D24	0.47	Cu
SWDR7500055	WRD750	7.5-18.0	1.15	600	FPWRD750D24	0.55	Cu
SWDR7500055	WRD750	7.5-18.0	1.15	610	FPWRD750D24	0.55	Cu
SWDR1800022	WRD180	18.0-40.0	1.15	150	FPWRD180C24	0.22	Cu

▼ Double Ridge Twist Waveguide

Feature:

- Cover a frequency range form **6.5GHz to 18.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Testing devices
- Radar antenna system
- Satellite communication
- Microwave radio
- Other application



P/N	EIA WRD	Fre. (GHz)	VSWR M.L./S.L. Max	Length (mm)	Flange	N. W.	Mat.
TWDR650F28	WRD650	6.5-18.0	1.25	200	FPWRD650D28	0.25	Cu
TWDR750F24	WRD750	7.5-18.0	1.25	100	FPWRD750D24	0.169	Cu
TWDR750F2401	WRD750	7.5-18.0	1.25	150	FPWRD750D24	0.2	Al
TWDR750F2402	WRD750	7.5-18.0	1.25	200	FPWRD750D24	0.25	Al

▼ Flexible&Non-twistable Waveguide

Feature:

- Cover a frequency range form **2.2GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Testing devices
- Radar antenna system
- Satellite communication
- Microwave radio
- Other application

P/N	EIA WR	Fre. (GHz)	VSWR Max	Attenuation (dB/m)	Power Handling CW, (W)	Flange	Mat.
FNT3400015	WR340	2.2-3.3	1.15	0.15	20000	PDF26	Cu
FNT2290018	WR229	3.3-4.9	1.15	0.18	10000	APF229B	Cu
FNT1120035	WR112	7.05-10.0	1.15	0.35	4000	FDP84	Cu
FNT750065	WR75	10.0-15.0	1.2	0.65	1500	FBM120	Cu
FNT620074	WR62	12.4-18.0	1.2	0.74	1000	FBM140	Cu
FNT420140	WR42	18.0-26.5	1.2	1.4	300	FBP220	Cu
FNT280240	WR28	26.5-40.0	1.3	2.4	150	FBP320	Cu

▼ Flexible&Twistable Waveguide

Feature:

- Cover a frequency range form **5.85GHz to 18.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Testing devices
- Radar antenna system
- Satellite communication
- Microwave radio
- Other application



P/N	EIA WR	Fre. (GHz)	VSWR Max	Attenuation (dB/m)	Power Handling CW, (W)	Flange	Mat.
-	WR137	5.85-8.2	1.15	0.3	2000	FDP70; FDM70	Cu
-	WR112	7.05-10.0	1.15	0.4	1200	FEP84	Cu
-	WR90	8.2-12.4	1.15	0.45	960	FBP100; FBM100	Cu
-	WR75	10.0-15.0	1.2	0.65	750	FBP120; FBM120	Cu
-	WR62	12.4-18.0	1.2	0.95	400	FBP140	Cu
-	WR51	15.0-22.0	1.2	1.0	200	FBP18	Cu
-	WR42	18.0-26.5	1.25	1.2	100	FBP220	Cu
-	WR28	26.5-40.0	1.3	2.4	75	FBP320	Cu
-	WR750	7.5-18.0	1.5	2.6	-	FPWRD750D24	Cu
-	WR650	6.5-18.0	1.5	1.65	-	FPWRD750D28	Cu

▼ Waveguide ET

Feature:

- Cover a frequency range from **1.12GHz to 110.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- The waveguide E-plane tees are used to separate the signal at E plane rectangular port into the collinear arm with the two rectangular waveguide ports or synthesize the signal from the two ports of the collinear arm into the E plane port.



P/N	EIA WR	Freq. (GHz)	VSWR Max	Flange	N. W.	Mat.
WE112170	WR650	1.12-1.7	1.5	FDP14	-	Al
WE170260	WR430	1.7-2.6	1.5	FDP22	4.56	Al
WE260395	WR284	2.6-3.95	1.5	FDP32	-	Al
WE395585	WR187	3.95-5.85	1.5	FDP48	0.4	Al
WE490705	WR159	4.9-7.05	1.5	FDP58	0.3	Al
WE585820	WR137	5.85-8.2	1.5	FDP70	-	Al
WE7051000	WR112	7.05-10.0	1.5	FBP84	-	Al
WE8201240	WR90	8.2-12.4	1.5	FBP100	0.1	Al
WE10001500	WR75	10.0-15.0	1.5	FBP120	0.15	Al
WE124001800	WR62	12.4-18.0	1.5	FBP140	0.1	Al
WE18002650	WR42	18.0-26.5	1.5	FBP220	0.14	Cu
WE22003300	WR34	22.0-33.0	1.5	FBP260	0.15	Cu
WE26504000	WR28	26.5-40.0	1.5	FBP320	0.1	Cu
WE33005000	WR22	33.0-50.0	1.5	FUGP400	0.35	Cu
WE40006000	WR19	40.0-60.0	1.5	FUGP500	0.34	Cu
WE50007500	WR15	50.0-75.0	1.3	FUGP620	0.1	Cu
WE60009000	WR12	60.0-90.0	1.3	FUGP740	0.1	Cu
WE750011000	WR10	75.0-110.0	1.3	FUGP900	0.1	Cu

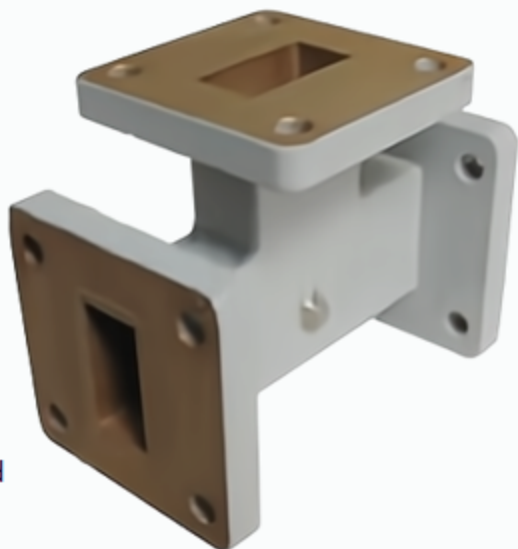
▼ Waveguide HT

Feature:

- Cover a frequency range form **1.12GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- The waveguide H-plane tees are used to separate the signal at H plane rectangular port into the collinear arm with the two rectangular waveguide ports or synthesize the signal from the two ports of the collinear arm into the H plane port.



P/N	EIA WR	Freq. (GHz)	VSWR Max	Flange	N. W.	Mat.
WH112170	WR650	1.12-1.7	1.5	FDP14	-	Al
WH170260	WR430	1.7-2.6	1.5	FDP22	-	Al
WH260396	WR284	2.6-3.95	1.5	FDP32	0.65	Al
WH395585	WR187	3.95-5.85	1.5	FDP48	-	Al
WH585820	WR137	5.85-8.2	1.5	FDP70	-	Al
WH8201240	WR90	8.2-12.4	1.5	FBP100	0.16	Al
WH10001500	WR75	10.0-15.0	1.5	FBP120	0.15	Al
WH10701275	WR75	10.7-12.75	1.5	FBP120	0.1	Al
WH12401800	WR62	12.4-18.0	1.5	FBP140	0.1	Al
WH15002200	WR51	15.0-22.0	1.5	FBP180	-	Al
WH18002650	WR42	18.0-26.5	1.5	FBP220	0.24	Cu
WH22003300	WR34	22.0-33.0	1.5	FBP260	0.16	Cu
WH26504000	WR28	26.5-40.0	1.5	FBP320	0.1	Cu

▼ Waveguide Magic Tee

Feature:

- Cover a frequency range form **1.12GHz to 110.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- The magic tee can be used as a power combiner or a power divider based on the given application's needs.



P/N	EIA WR	Freq. (GHz)	VSWR H-Plane	VSWR E-Plane	Flange	N. W.	Mat.
WMT112170	WR650	1.12-1.7	1.3	1.5	FDP14	-	Al
WMT170260	WR430	1.7-2.6	1.3	1.5	FDP22	-	Al
WMT260395	WR284	2.6-3.95	1.3	1.5	FDP32	1.0	Al
WMT395585	WR187	3.95-5.85	1.3	1.5	FDP48/FDM48	0.88	Al
WMT585820	WR137	5.85-8.2	1.3	1.5	FDP70	0.46	Al
WMT8201240	WR90	8.2-12.4	1.3	1.5	FDP100	0.26	Al
WMT12401800	WR62	12.4-18.0	1.3	1.5	FBP140/FBM140	0.12	Al
WMT18002650	WR42	18.0-26.5	1.3	1.5	FBP220	0.20	Cu
WMT26504000	WR28	26.5-40.0	1.3	1.5	FBP320	0.10	Cu
WMT33005000	WR22	33.0-50.0	1.4	1.6	FUGP400	0.35	Cu
WMT40006000	WR19	40.0-60.0	1.4	1.6	FUGP500	0.35	Cu
WMT50007500	WR15	50.0-75.0	1.4	1.6	FUGP620	0.1	Cu
WMT60009000	WR12	60.0-90.0	1.4	1.6	FUGP740	0.1	Cu
WMT750011000	WR10	75.0-110.0	1.5	1.5	FUGP900	0.1	Cu

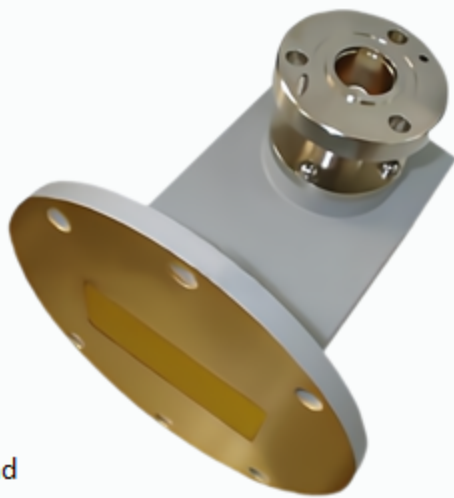
▼ WG to Coaxial Adapter-Right Angle

Feature:

- Cover a frequency range from **0.32GHz to 110.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Working as an efficient transition between the rectangular waveguide and coaxial connector.



P/N	Freq. (GHz)	VSWR Max	Con	I.L.(dB) Max	EIA WR	Flange	Mat.
SL-2300-NF	0.32-0.49	1.25	N-F	0.12	WR2300	FDP3	Al
SL-1500-NF	0.49-0.75	1.25	N-F	0.12	WR1500	FDP6	Al
SL-975-NF	0.75-1.12	1.25	N-F	0.09	WR975	FDP9	Al
SL-770-NF	0.96-1.45	1.25	N-F	0.12	WR770	FDP12	Al
SL-650-SMA-M	1.12-1.70	1.25	SMA-M	0.12	WR650	FDP14, FDM14	Al
SL-187-N-M	3.95-5.85	1.25	N-M	0.15	WR187	FDP48, FAP48,	Al
SL-137-N-F	5.85-8.20	1.25	N-F	0.17	WR137	FDP70	Al
SL-62-2.4-M	12.4-18.0	1.35	2.4mm-M	0.27	WR62	FBP140; APF62	Al
SL-42-2.4-M	18.0-26.5	1.25	2.4mm-M	0.32	WR42	FBP220, FBM220,	Cu
SL-28-1.85-M	26.5-40.0	1.30	1.85mm-M	0.39	WR28	FBP320, FBM320, APF28	Cu
SL-19-1.85-F	40.0-60.0	1.50	1.85mm-F	0.8	WR19	FUGP500, APF19	Cu
SL-12-1-M	60.0-90.0	1.60	1.0mm-M	1.20	WR12	FUGP740, APF12	Cu
SL-10-1-F	75.0-110.0	1.60	1.0mm-F	1.20	WR10	FUGP900, APF10	Cu
SL-10-1-M	75.0-110.0	1.60	1.0mm-M	1.20	WR10	FUGP900, APF10	Cu

▼ WG to Coaxial Adapter-End-launch

Feature:

- Cover a frequency range form **0.75GHz to 110.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Working as an efficient transition between waveguide and coaxial connectorr.



P/N	Freq. (GHz)	VSWR Max	Con	EIA WR	Flange	Mat.
SL-975-N-F	0.75-1.12	1.25	N-F	WR975	FDP9	Cu
SL-650-N-F	1.12-1.70	1.25	N-F	WR650	FDP14, FDM14	Cu
SL-430-N-F	1.70-2.60	1.25	N-F	WR430	FDP22, FDM22, APF430	Cu
SL-187-S-F	3.95-5.85	1.25	SMA-F	WR187	FDP48, FAP48, FAR48, FDM48, APF187	Cu
SL-90-N-M	8.20-12.40	1.5	N-M	WR90	FBP100; FBM100	Cu
SL-62-N-F	12.4-18.0	1.25	N-F	WR62	FBP140; FBM140	Cu
SL-42-S-F	18.0-26.5	1.25	SMA-F	WR42	FBP220; FBM220	Cu
SL-28-2.92-F	26.5-40.0	1.3	2.92mm-F	WR28	FBP320; FBM320	Cu
SL-19-1.85-F	40.0-60.0	1.5	1.85mm-F	WR19	FUGP500, APF19	Cu
SL-15-1.0-F	50.0-75.0	1.5	1.0mm-F	WR15	FUGP620, APF15	Cu
SL-12-1.0-F	60.0-90.0	1.5	1.0mm-F	WR12	FUGP620, APF15	Cu
SL-10-1.0-F	75.0-110.0	1.5	1.0mm-F	WR10	FUGP900, APF10	Cu

▼ WG to Coaxial Adapter-Double-Ridge

Feature:

- Cover a frequency range form **0.84GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Working as an efficient transition between waveguide and coaxial connectorr.



P/N	EIA WRD	Freq. (GHz)	VSWR Max	Con	Flange	Mat.
84DRWCAN	WRD84	0.84-2.0	1.3	N-F	FPWRD84D24	Al
200DRWCAN	WRD200	2.0-4.8	1.3	N-F	FPWRD200D24	Al
200DRWCAS	WRD200	2.0-4.8	1.3	SMA-F	FPWRD200D24	Al
250DRWCAN	WRD250	2.6-7.8	1.3	N-F	FPWRD250D30	Al
250DRWCAS	WRD250	2.6-7.8	1.3	SMA-F	FPWRD250D30	Al
350DRWCAN	WRD350	3.5-8.2	1.3	N-F	FPWRD350D24	Al
350DRWCAS	WRD350	3.5-8.2	1.3	SMA-F	FPWRD350D24	Al
475DRWCAN	WRD475	4.75-11.0	1.4	N-F	FPWRD475D24	Al
475DRWCAN	WRD475	4.75-11.0	1.3	SMA-F	FPWRD475D24	Al
DRWCAN	WRD580	5.8-16.0	1.3	N-F	FPWRD580D28	Cu
DRWCAN	WRD580	5.8-16.0	1.3	SMA-F	FPWRD580D28	Cu
DRWCAN	WRD650	6.5-18.0	1.3	N-F	FPWRD650D28	Cu
DRWCAN	WRD650	6.5-18.0	1.3	SMA-F	FPWRD650D28	Cu
DRWCAN	WRD750	7.5-18.0	1.3	N-F	FPWRD750D24	Cu
DRWCAN	WRD750	7.5-18.0	1.3	SMA-F	FPWRD750D24	Cu
DRWCAN	WRD110	11.0-26.5	1.4	SMA-F	FPWRD110C24	Cu
WR137	WRD180	18.0-40.0	1.5	2.92mm-F	FPWRD180C24	Cu

▼ WG to Coaxial Adapter-Double Ridge End-launch

Feature:

- Cover a frequency range form **0.84GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable



Application:

- Working as an efficient transition between waveguide and coaxial connectorr.

P/N	EIA WRD	Freq. (GHz)	VSWR Max	Con	Flange	Mat.
DRE84200NF	WRD84	0.84-2.0	1.3	N-F	FPWRD84D24	Al
DRE200480NF	WRD200	2.0-4.8	1.3	N-F	FPWRD200D24	Al
DRE200480SF	WRD200	2.0-4.8	1.3	SMA-F	FPWRD200D24	Al
DRE260780NF	WRD250	2.6-7.8	1.3	N-F	FPWRD250D30	Al
DRE260780SF	WRD250	2.6-7.8	1.3	SMA-F	FPWRD250D30	Al
DRE350820NF	WRD350	3.5-8.2	1.3	N-F	FPWRD350D24	Al
DRE350820SF	WRD350	3.5-8.2	1.3	SMA-F	FPWRD350D24	Al
DRE475110NF	WRD475	4.75-11.0	1.4	N-F	FPWRD475D24	Al
DRE475110SF	WRD475	4.75-11.0	1.3	SMA-F	FPWRD475D24	Al
DRE580160NF	WRD580	5.8-16.0	1.3	N-F	FPWRD580D28	Cu
DRE580160SF	WRD580	5.8-16.0	1.3	SMA-F	FPWRD580D28	Cu
DRE650180NF	WRD650	6.5-18.0	1.3	N-F	FPWRD650D28	Cu
DRE650180SF	WRD650	6.5-18.0	1.3	SMA-F	FPWRD650D28	Cu
DRE750180NF	WRD750	7.5-18.0	1.3	N-F	FPWRD750D24	Cu
DRE750180SF	WRD750	7.5-18.0	1.3	SMA-F	FPWRD750D24	Cu
DRE110265SF	WRD110	11.0-26.5	1.4	SMA-F	FPWRD110C24	Cu
DRE180400KF	WRD180	18.0-40.0	1.5	2.92mm-F	FPWRD180C24	Cu

▼ WG to Coaxial Adapter-Double Ridge High Power

Feature:

- Cover a frequency range form **0.84GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Working as an efficient transition between waveguide and coaxial connectorr.



P/N	EIA WRD	Freq. (GHz)	VSWR Max	Con	Flange	Mat.
DRE84200NF	WRD84	0.84-2.0	1.3	N-F	FPWRD84D24	Al
DRE200480NF	WRD200	2.0-4.8	1.3	N-F	FPWRD200D24	Al
DRE200480SF	WRD200	2.0-4.8	1.3	SMA-F	FPWRD200D24	Al
DRE260780NF	WRD250	2.6-7.8	1.3	N-F	FPWRD250D30	Al
DRE260780SF	WRD250	2.6-7.8	1.3	SMA-F	FPWRD250D30	Al
DRE350820NF	WRD350	3.5-8.2	1.3	N-F	FPWRD350D24	Al
DRE350820SF	WRD350	3.5-8.2	1.3	SMA-F	FPWRD350D24	Al
DRE475110NF	WRD475	4.75-11.0	1.4	N-F	FPWRD475D24	Al
DRE475110SF	WRD475	4.75-11.0	1.3	SMA-F	FPWRD475D24	Al
DRE580160NF	WRD580	5.8-16.0	1.3	N-F	FPWRD580D28	Cu
DRE580160SF	WRD580	5.8-16.0	1.3	SMA-F	FPWRD580D28	Cu
DRE650180NF	WRD650	6.5-18.0	1.3	N-F	FPWRD650D28	Cu
DRE650180SF	WRD650	6.5-18.0	1.3	SMA-F	FPWRD650D28	Cu
DRE750180NF	WRD750	7.5-18.0	1.3	N-F	FPWRD750D24	Cu
DRE750180SF	WRD750	7.5-18.0	1.3	SMA-F	FPWRD750D24	Cu
DRE110265SF	WRD110	11.0-26.5	1.4	SMA-F	FPWRD110C24	Cu
DRE180400KF	WRD180	18.0-40.0	1.5	2.92mm-F	FPWRD180C24	Cu

▼ WG Ortho-Mode Transducer

Feature:

- Cover a frequency range form **2.2GHz to 220.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar
- Remote sensing
- Communication systems
- Other application



P/N	EIA WR	Freq. (GHz)	VSWR Max	Comm, Port WG Type	Iso (dB) Min	Flange	Mat.
OMT220290S	WR340	2.2-2.9	1.5	square	30	FDP26	Al
OMT330490S	WR229	3.3-4.9	1.5	square	30	FDP40	Al
OMT490705S	WR159	4.9-7.05	1.3	square	40	FDP58	Al
OMT705100S	WR112	7.05-10.0	1.3	square	40	FBP84	Al
OMT100150C	WR75	10.0-15.0	1.5	circular	40	FBP120	Al
OMT150220S	WR51	15.0-22.0	1.5	square	40	FBP180	Al
OMT225450QS	WR28	22.5-45.0	1.5	quad-ridge square	30	FBP320	Al
OMT265400S	WR28	26.5-40.0	1.5	square	40	FBP320	Cu
OMT400600S	WR75	40.0-60.0	1.5	square	40	FUGP500	Cu
OMT600900S	WR42	60.0-90.0	1.5	square	35	FUGP740	Cu
OMT9001400S	WR34	90.0-140.0	1.8	square	30	FUGP1200	Cu
OMT11001700C	WR34	110.0-170.0	2.0	circular	25	FUGP1400	Cu
OMT14002200S	WR34	140.0-220.0	2.0	square	25	FUGP1800	Cu

▼ WG Coupler-Cross

Feature:

- Cover a frequency range form **0.75GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar
- Remote sensing
- Communication systems
- Other application



P/N	EIA WRD	Freq. (GHz)	VS WR	Coup. (dB)	Coup. Acc (dB)	Freq. SS. (dB)	Dir. (dB) Min.	Flange	Mat.
WGCX975	WR975	0.75-1.12	1.1	30	±0.7	±1.0	18	FDP9	Al
WGCX650	WR650	1.12-1.7	1.1	30	±0.7	±1.0	18	FDP14	Al
WGCX430	WR430	1.7-2.6	1.1	30	±0.7	±1.0	18	FDP22	Al
WGCX284	WR284	2.6-3.95	1.1	30	±0.7	±1.0	18	FDP32	Al
WGCX18701	WR187	3.95-5.85	1.05	40/50/60	±0.7	±1.0	18	FDP48	Al
WGCX13701	WR137	5.85-8.2	1.05	40/50/60	±0.7	±1.0	18	FDP70	Al
WGCX9001	WR90	8.2-12.4	1.05	40/50/60	±0.7	±1.0	18	FBP100	Cu
WGCX6201	WR62	12.4-18.0	1.05	40/50/60	±0.7	±1.0	18	FBP140	Cu
WGCX4201	WR42	18.0-26.5	1.05	40/50/60	±0.7	±1.0	18	FBP220	Cu
WGCX28	WR28	26.5-40.0	1.05	40/50/60	±0.7	±1.0	18	FBP320	Cu

▼ WG Coupler-High Directional

Feature:

- Cover a frequency range form **2.6GHz to 110.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar
- Remote sensing
- Communication systems
- Other application



P/N	EIA WRD	Freq. (GHz)	VSWR M.L./S.L. Max	Coup. (dB)	Coup. Acc (dB)	Freq. SS. (dB)	Dir. (dB) Min.	Flange	Mat.
-	WR284	2.6-3.95	1.05/1.1	3/6/10/20/30/40/50	±0.9	±0.7	30	FDP32	Al
-	WR187	3.95-5.85	1.05/1.1	3/6/10/20/30/40/50	±0.9	±0.7	30	FDP48	Al
-	WR137	5.85-8.2	1.05/1.1	3/6/10/20/30/40/50	±0.9	±0.7	30	FDP70	Al
-	WR90	8.2-12.4	1.05/1.15	3/6/10/20/30/40/50	±0.9	±0.7	30	FBP100	Al
-	WR51	15.0-22.0	1.1/1.15	3/6/10/20/30/40/50	±0.9	±0.7	30	FBP180	Al
-	WR28	26.5-40.0	1.1/1.15	3/6/10/20/30/40/50	±0.9	±0.9	30	FBP320	Cu
-	WR19	40.0-60.0	1.15/1.2	3/6/10/20/30/40/50	±0.9	±0.9	30	FUGP500	Cu
-	WR12	60.0-90.0	1.15/1.2	3/6/10/20/30/40/50	±0.9	±0.9	30	FUGP740	Cu
-	WR10	75.0-110.0	1.15/1.2	3/6/10/20/30/40/50	±0.9	±0.9	20	FUGP900	Cu

▼ WG Coupler-Loop

Feature:

- Cover a frequency range form **1.7GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar
- Remote sensing
- Communication systems
- Other application



P/N	EIA WRD	Freq. (GHz)	VSWR M.L./S.L. Max	Coup. (dB)	Dir. (dB) Typ.	Flange	Con.	Mat.
WHCX430	WR430	1.7-2.6	1.1/1.35	30/40/50/60	15	FDP22	N-F	Al
WHCX284	WR284	2.6-3.95	1.1/1.35	30/40/50/60	15	FDP32	N-F	Al
WHCX18701	WR187	3.95-5.85	1.1/1.35	30/40/50/60	15	FDP48	N-M	Al
WHCX13701	WR137	5.85-8.2	1.1/1.35	30/40/50/60	15	FDP70	N-M	Al
WHCX90	WR90	8.2-12.4	1.1/1.35	30/40/50/60	15	FBP100	N-F	Cu
WHCX6202	WR62	12.4-18.0	1.1/1.35	30/40/50/60	15	FBP140	SMA-F	Cu
WHCX4201	WR42	18.0-26.5	1.15/1.7	30/40/50/60	15	FBP220	3.5mm-F	Cu
WHCX28	WR28	26.5-40.0	1.15/1.7	30/40/50/60	15	FBP320	2.92mm-F	Cu
WHCX2801	WR28	26.5-40.0	1.15/1.7	30/40/50/60	15	FBP320	2.4mm-F	Cu

▼ Polarizer

Feature:

- Cover a frequency range form **11.0GHz to 43.5GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar
- Remote sensing
- Communication systems
- Other application



P/N	Freq. (GHz)	VSWR Max	Pol.	Flange	Mat.
WGP1114F120	11.0-14.0	1.3	RHCP	FBP120-M	Al
WGP18265U595	18.0-26.5	1.2	RHCP	UG-595/U-M	Al
WGP235435U381	23.5-43.5	1.2	RHCP	UG-381/U-M	Al

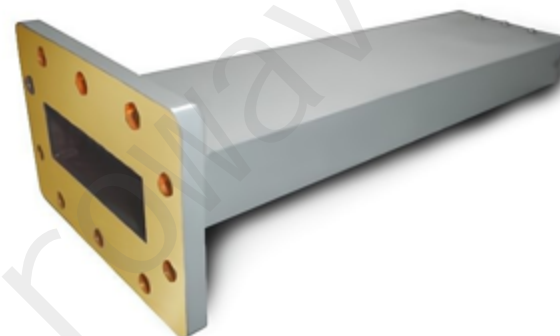
▼ WG Load - Precision & Low Power

Feature:

- Cover a frequency range form **0.75GHz to 110.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Full band one-Interface calibration
- Full two-Interface calibration
- TRM (Thru-Reflect-Match) and SSLT (Short-Short-Load- Thru) calibration
- Other application



P/N	EIA WR	Freq. (GHz)	VSW R	Avg. Power (W)	Peak Power (KW)	Length (mm/inch)	Flange	Mat.
-	WR975	0.75-1.12	1.1	25	25	900/35.4	FDP9	Al
-	WR650	1.12-1.7	1.08	25	25	495/19.5	FDP14; FDM14	Al
-	WR430	1.7-2.6	1.05	15	15	376/14.8	APF430; FDM22	Al
-	WR284	2.6-3.95	1.05	10	10	264/10.4	FDP32	Al
-	WR187	3.95-5.85	1.04	8	8	163/6.4	FDM48	Al
-	WR137	5.85-8.2	1.04	6	6	132/5.2	FAP70; APF13	Al
-	WR90	8.2-12.4	1.03	4	4	127/5	FBP100	Al
-	WR62	12.4-18.0	1.04	1.5	1.5	102/4	FBP140	Al
-	WR42	18.0-26.5	1.05	0.5	0.5	71/2.8	FBM220	Cu
-	WR28	26.5-40.0	1.05	0.5	0.5	56/2.2	FBP320	Cu
-	WR19	40.0-60.0	1.08	0.3	0.3	41/1.6	FUGP500; APF19	Cu
-	WR12	60.0-90.0	1.08	0.2	0.03	38/1.5	FUGP740; APF12	Cu
-	WR10	75.0-110.0	1.08	0.2	0.03	38/1.5	FUGP900; APF10	Cu

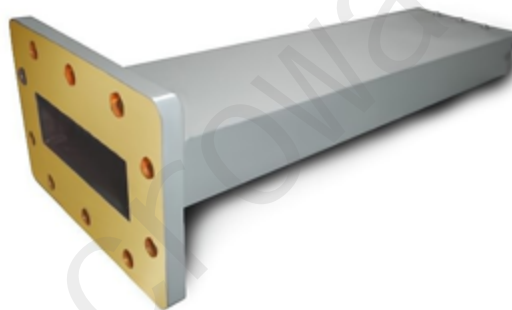
▼ WG Load - Sliding

Feature:

- Cover a frequency range form **1.12GHz to 110.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Full band one-Interface calibration
- Full two-Interface calibration
- TRM (Thru-Reflect-Match) and SSLT (Short-Short-Load- Thru) calibration
- Other application



P/N	EIA WR	Frequency (GHz)	VSWR	Avg. Power (W)	Peak Power (KW)	Flange	Mat.
WLS650170	WR650	1.12-1.7	1.04	25	25	FDP14; FDM14	Al
WLS430260	WR430	1.7-2.6	1.025	15	15	FDP22; APF430; FDM22	Al
WLS284395	WR284	2.6-3.95	1.025	10	10	FDP32; APF284B	Al
WLS187585	WR187	3.95-5.85	1.02	8	8	FDP48; FAP48	Al
WLS1121000	WR112	7.05-10.0	1.015	4	4	FBP84; FBM84	Al
WLS751500	WR75	10.0-15.0	1.02	2	2	FBP120; FDP120	Al
WLS512200	WR51	15.0-22.0	1.025	1.0	1.0	FBP180; APF51A	Cu
WLS284000	WR28	26.5-40.0	1.025	0.5	0.5	FBP320	Cu
WLS406000	WR19	40.0-60.0	1.04	0.3	0.3	FUGP500; APF19	Cu
WLS157500	WR15	50.0-75.0	1.05	0.3	0.1	FUGP620; APF15	Cu
WLS129000	WR12	60.0-90.0	1.06	0.2	0.03	FUGP740; APF12	Cu
WLS1011000	WR10	75.0-110.0	1.06	0.2	0.03	FUGP900; APF10	Cu

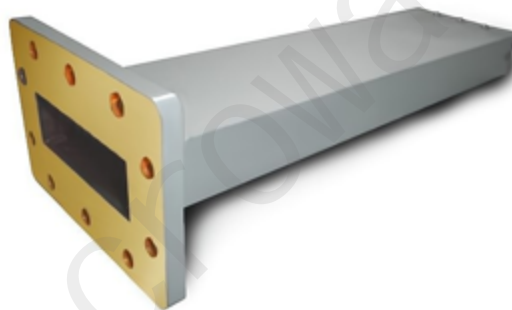
▼ WG Load - Low-Medium Power

Feature:

- Cover a frequency range form **1.12GHz to 60.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Full band one-Interface calibration
- Full two-Interface calibration
- TRM (Thru-Reflect-Match) and SSLT (Short-Short-Load- Thru) calibration
- Other application



P/N	EIA WR	Freq. (GHz)	VS WR	Avg. Power (W)	Peak Power (KW)	Length (mm/inch)	Flange	Mat.
WLLMP650170	WR650	1.12-1.7	1.2	80	400	-	FDP14/FDM14	Al
WLLMP430260	WR430	1.7-2.6	1.15	60	400	-	FDP22/FDM22	Al
WLLMP2843952	WR284	2.6-3.95	1.15	200	-	-	FDP32	Al
WLLMP187585	WR187	3.95-5.85	1.1	40	350	163/6.4	FDP48; FDM48; FAP48; FAE48	Al
WLLMP137820	WR137	5.85-8.20	1.1	25	200	132/5.2	FDP70; FDM70	Al
WLLMP901240	WR90	8.2-12.4	1.1	25	110	123/4.84	FBP100; FBM100	Al
WLLMP621800	WR62	12.4-18.0	1.1	15	100	129/5.1	FBP140	Al
WLLMP422650	WR42	18.0-26.5	1.1	15	60	71/2.8	FBP220; FBM220	Cu
WLLMP284000	WR28	26.5-40.0	1.1	10	25	74/2.9	FBM320; APF28	Cu
WLLMP196000	WR19	40.0-60.0	1.15	3	6	41/1.6	FUGP500; APF19	Cu

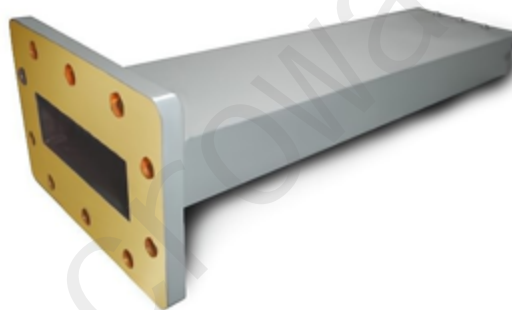
▼ WG Load - Medium Power

Feature:

- Cover a frequency range form **1.12GHz to 60.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Full band one-Interface calibration
- Full two-Interface calibration
- TRM (Thru-Reflect-Match) and SSLT (Short-Short-Load- Thru) calibration
- Other application



P/N	EIA WR	Freq. (GHz)	VS WR	Avg. Power (W)	Peak Power (KW)	Length (mm/inch)	Flange	Mat.
WLLMP650170	WR650	1.12-1.7	1.2	80	400	-	FDP14/FDM14	Al
WLLMP430260	WR430	1.7-2.6	1.15	60	400	-	FDP22/FDM22	Al
WLLMP284395 2	WR284	2.6-3.95	1.15	200	-	-	FDP32	Al
WLLMP187585	WR187	3.95-5.85	1.1	40	350	163/6.4	FDP48; FDM48; FAP48; FAE48	Al
WLLMP137820	WR137	5.85-8.20	1.1	25	200	132/5.2	FDP70; FDM70	Al
WLLMP901240	WR90	8.2-12.4	1.1	25	110	123/4.84	FBP100; FBM100	Al
WLLMP621800	WR62	12.4-18.0	1.1	15	100	129/5.1	FBP140	Al
WLLMP422650	WR42	18.0-26.5	1.1	15	60	71/2.8	FBP220; FBM220	Cu
WLLMP284000	WR28	26.5-40.0	1.1	10	25	74/2.9	FBM320; APF28	Cu
WLLMP196000	WR19	40.0-60.0	1.15	3	6	41/1.6	FUGP500; APF19	Cu

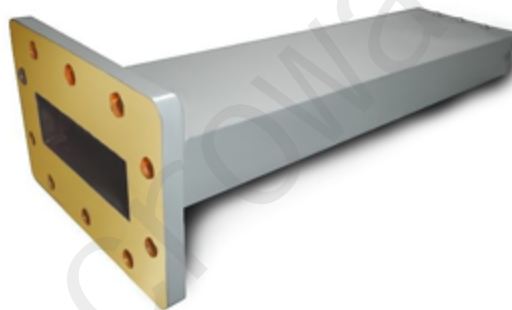
▼ WG Load - WG Load - High Power

Feature:

- Cover a frequency range form **1.12GHz to 110.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Full band one-Interface calibration
- Full two-Interface calibration
- TRM (Thru-Reflect-Match) and SSLT (Short-Short-Load- Thru) calibration
- Other application



P/N	EIA WR	Freq. (GHz)	VSWR Max	Avg. Power (W)	Peak Power (KW)	L (mm)	Flange	Mat.
-	WR650	1.12-1.7	1.2	2500	800	660.4	FDP14	Al
-	WR430	1.7-2.6	1.2	2500	800	558.8	FDP22	Al
-	WR284	2.6-3.95	1.15	2400	800	457.2	FDP32	Al
-	WR229	3.3-4.9	1.15	2500	800	660.4	FDP14	Al
-	WR90	8.2-12.4	1.15	500	225	139.7	FBP100	Al
-	WR62	12.4-18.0	1.15	300	200	114.3	FBP140	Al
-	WR42	18.0-26.5	1.2	230	120	114.3	FBP220	Al
-	WR28	26.5-40.0	1.2	125	50	101.6	FBP320	Al
-	WR19	40.0-60.0	1.2	100	25	177.8	FUGP500	Al
-	WR12	60.0-90.0	1.2	50	20	157.5	FUGP740	Al
-	WR10	75.0-110.0	1.2	40	15	157.5	FUGP900	Al

▼ WG Load - Double Ridge Low Power

Feature:

- Cover a frequency range form **2.0GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Full band one-Interface calibration
- Full two-Interface calibration
- TRM (Thru-Reflect-Match) and SSLT (Short-Short-Load- Thru) calibration
- Other application



P/N	EIA WR	Freq. (GHz)	VSWR Max	Avg. Power (W)	Length (mm/inch)	Flange	Mat.
WGDP200200	WRD200	2.0-4.8	1.1	10	304.8/12	FPWRD200D24	Al
WGDP250260	WRD250	2.6-7.8	1.1	10	279.4/11	FPWRD250D30	Al
WGDP350350	WRD350	3.5-8.2	1.1	5	266.7/10.5	FPWRD350D24	Al
WGDP475475	WRD475	4.75-11.0	1.1	5	215.9/8.5	FPWRD475D24	Al
WGDP580580	WRD580	5.8-16.0	1.1	5	177.8/7	FPWRD580D28	Al
WGDP650650	WRD650	6.5-18.0	1.1	5	101.6/4	FPWRD650D28	Al
WGDP750750	WRD750	7.5-18.0	1.1	5	101.6/4	FPWRD750D24	Al
WGDP1101100	WRD110	11.0-26.5	1.15	3	76.2/3	FPWRD110C24	Cu
WGDP1801800	WRD180	18.0-40.0	1.15	3	55.9/2.2	FPWRD180C24	Cu

▼ WG Load - Double Ridge Medium Power

Feature:

- Cover a frequency range form **6.5GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Full band one-Interface calibration
- Full two-Interface calibration
- TRM (Thru-Reflect-Match) and SSLT (Short-Short-Load- Thru) calibration
- Other application



P/N	EIA WR	Freq. (GHz)	VSWR Max	Avg. Power (W)	Length (mm)	Flange	Mat.
WLMP650650	WRD650	6.5-18.0	1.25	250	304.8	FPWRD650D28	Al
WLMP750750	WRD750	7.5-18.0	1.25	250	304.8	FPWRD750D24	Al
WLMP1801800	WRD180	18.0-40.0	1.2	80	279.4	FPWRD180C24	Al

▼ WG Load - Double Ridge High Power

Feature:

- Cover a frequency range form **2.0GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Full band one-Interface calibration
- Full two-Interface calibration
- TRM (Thru-Reflect-Match) and SSLT (Short-Short-Load- Thru) calibration
- Other application



P/N	EIA WR	Freq. (GHz)	VS WR Max	Avg. Power (W)	L (mm)	Flange	Mat.
WGDP350350	WRD	2.0-4.8	1.25	5500	927.1	FPWRD200D24	Al
WGDP475475	WRD	6.5-18.0	1.25	400	304.8	FPWRD650D28	Al
WGDP580580	WRD	6.5-18.0	1.25	500	304.8	FPWRD650D28	Al
WGDP650650	WRD	6.5-18.0	1.25	700	304.8	FPWRD650D28	Al
WGDP750750	WRD	7.5-18.0	1.25	400	304.8	FPWRD750D24	Al
WGDP1101100	WRD	7.5-18.0	1.25	700	304.8	FPWRD750D24	Al
WGDP200200	WRD180	18.0-40.0	1.2	125	279.4	FPWRD180C24	Al
WGDP250260	WRD	18.0-40.0	1.3	250	279.4	FPWRD180C24	Al

▼ WG Switch - Rectangular, SPDT/DPDT

Feature:

- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Microwave communications system
- Broadcasting
- Radar system
- Other application

Frequency	2.6-110GHz
E-plane & H-plane	Available
SPDT & DPDT	Available
Position Indicator	Available
Isolation	60dB (Min), 80dB (Full Band)
Connector	International Standard 6-pin Circular Connector
DC Power Supply(V)	27±3
Current(A)	1.0, Max (except WR284 modules)
Operating Temperature(°C)	-55 - +85

(For high isolation version, please contact sales.)

▼ WG Switch - Double Ridge, SPDT/DPDT
Feature:

- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Microwave communications system
- Broadcasting
- Radar system
- Other application

Frequency	4.75-40GHz
E-plane & H-plane	Available
SPDT & DPDT	Available
Position Indicator	Available
Isolation	60dB (Min), 80dB (Full Band)
Connector	International Standard 6-pin Circular Connector
DC Power Supply(V)	27±3
Current(A)	1.0, Max
Operating Temperature(°C)	-55 - +85

(For high isolation version, please contact sales.)

▼ WG Detector

Feature:

- Cover a frequency range form **2.6GHz to 110.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar antenna system
- Laboratory test set-ups
- Microwave radio
- Satellite communications
- Other application

P/N	Freq. (GHz)	Sen. (nV/n\mW)	EIA WR	Anti-Burning Power	Detector	Response Speed	Connector
-	2.6-3.95	300	WR284	25-100	Positive; Negative	2us	SMA
-	3.95-5.85	300	WR187	25-100	Positive; Negative	2us	SMA
-	5.85-8.2	300	WR137	25-100	Positive; Negative	2us	SMA
-	8.2-12.4	200	WR90	25-100	Positive; Negative	2us	SMA
-	12.4-18.0	200	WR62	25-100	Positive; Negative	2us	SMA
-	18.0-26.5	200-400	WR42	25-100	Positive; Negative	2us	SMA
-	26.5-40.0	400-600	WR28	25-100	Positive; Negative	2us	SMA
-	40.0-60.0	200	WR19	25-100	Positive; Negative	2us	SMA
-	60.0-90.0	50-70	WR12	25-100	Positive; Negative	20us	SMA
-	75.0-110.0	30	WR10	25-100	Positive; Negative	50us	SMA

▼ WG Fixed Attenuator-General Purpose

Feature:

- Cover a frequency range form **1.12GHz to 110.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar antenna system
- Laboratory test set-ups
- Microwave radio
- Satellite communications
- Other application



P/N	Freq. (GHz)	Atten. (dB)	EIA WR	VSWR Max	Flange	Mat.
-	1.12-1.7	3/6/10/20/30	WR650	1.25	FDP14	Al
-	1.7-2.6	3/6/10/20/30	WR430	1.25	FDP22	Al
-	2.6-3.95	3/6/10/20/30	WR284	1.25	FDP32	Al
-	3.95-5.85	3/6/10/20/30	WR187	1.25	FDP48	Al
-	5.85-8.2	3/6/10/20/30	WR137	1.25	FDP70	Al
-	8.2-12.4	3/6/10/20/30	WR90	1.25	FBP100	Al
-	12.4-18.0	3/6/10/20/30	WR62	1.25	FBM140	Cu
-	18.0-26.5	3/6/10/20/30	WR42	1.25	FBP220	Cu
-	26.5-40.0	3/6/10/20/30	WR28	1.25	FBP260	Cu
-	40.0-60.0	3/6/10/20/30	WR19	1.3	FUGP500	Cu
-	60.0-90.0	3/6/10/20/30	WR12	1.25	FUGP740	Cu
-	75.0-110.0	3/6/10/20/30	WR10	1.3	FUGP900	Cu

▼ WG Precision Fixed Attenuator-Low Power

Feature:

- Cover a frequency range form **2.6GHz to 110.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar antenna system
- Laboratory test set-ups
- Microwave radio
- Satellite communications
- Other application



P/N	Freq. (GHz)	Atten. (dB)	Atten. Sens (dB)	Atten. Accuracy (dB)	EIA WR	VSWR Max	Avg. Power (W)	Flange	Ma t.
WPFALP284	2.6-3.95	3/6/10/20/30/40/50	±0.7	±0.9	WR284	1.1	10	FDP32	Al
WPFALP187	3.95-5.85	3/6/10/20/30/40/50	±0.7	±0.9	WR187	1.1	8	FDP48	Al
WPFALP137	5.85-8.2	3/6/10/20/30/40/50	±0.7	±0.9	WR137	1.1	6	FDP70	Al
WPFALP90	8.2-12.4	3/6/10/20/30/40/50	±0.7	±0.9	WR90	1.1	4	FBP100	Al
WPFALP62	12.4-18.0	3/6/10/20/30/40/50	±0.7	±0.9	WR62	1.1	1.5	FBP140	Al
WPFALP42	18.0-26.5	3/6/10/20/30/40/50	±0.9	±1.0	WR42	1.1	0.5	FBP220	Cu
WPFALP28	26.5-40.0	3/6/10/20/30/40/50	±0.9	±1.0	WR28	1.1	0.5	FBP320	Cu
WPFALP19	40.0-60.0	3/6/10/20/30/40/50	±0.9	±1.3	WR19	1.15	0.3	FUGP500	Cu
WPFALP12	60.0-90.0	3/6/10/20/30/40/50	±0.9	±1.3	WR12	1.15	0.2	FUGP740	Cu
WPFALP10	75.0-110.0	3/6/10/20/30/40/50	±0.9	±1.3	WR10	1.15	0.2	FUGP900	Cu

▼ WG Precision Fixed Attenuator-Low-Medium Power

Feature:

- Cover a frequency range from **2.6GHz to 110.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar antenna system
- Laboratory test set-ups
- Microwave radio
- Satellite communications
- Other application



P/N	Freq. (GHz)	Atten. (dB)	Atten. Sens (dB)	Atten. Accuracy (dB)	EIA WR	VSWR Max	Avg. Power (W)	Flange	Mat.
-	2.6-3.95	3/6/10/20/30/40/50	±0.7	±0.9	WR284	1.15	45	FDP32	Al
-	3.95-5.85	3/6/10/20/30/40/50	±0.7	±0.9	WR187	1.15	40	FDP48	Al
-	5.85-8.2	3/6/10/20/30/40/50	±0.7	±0.9	WR137	1.15	25	FDP70	Al
-	8.2-12.4	3/6/10/20/30/40/50/60	±0.7	±0.9	WR90	1.15	10	FBP100	Al
-	12.4-18.0	3/6/10/20/30/40/50	±0.7	±0.9	WR62	1.15	3	FBP140	Al
-	18.0-26.5	3/6/10/20/30/40/50	±0.9	±1.0	WR42	1.15	15	FBP220	Cu
-	26.5-40.0	3/6/10/20/30/40/50/60	±0.9	±1.0	WR28	1.15	2	FBP320	Cu
-	40.0-60.0	3/6/10/20/30/40/50	±0.9	±1.3	WR19	1.15	0.6	FUGP500	Cu
-	60.0-90.0	3/6/10/20/30/40/50	±0.9	±1.3	WR12	1.2	0.4	FUGP740	Cu
-	75.0-110.0	3/6/10/20/30/40/50	±0.9	±1.3	WR10	1.2	0.4	FUGP900	Cu
-	75.0-110.0	3/6/10/20/30/40/50	±0.9	±1.3	WR10	1.2	2	FUGP900	Cu

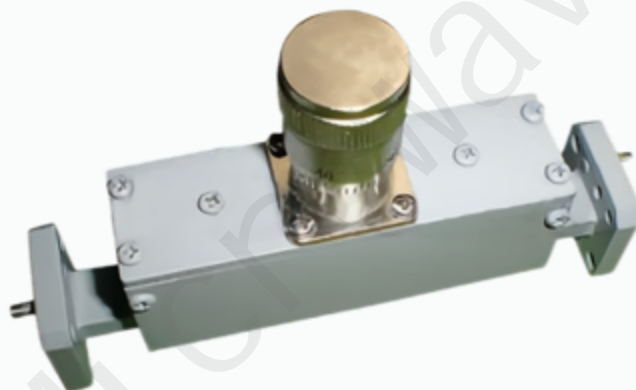
▼ WG Precision Fixed Attenuator-High Power

Feature:

- Cover a frequency range form **2.6GHz to 50.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar antenna system
- Laboratory test set-ups
- Microwave radio
- Satellite communications
- Other application



P/N	Freq. (GHz)	Atten. (dB)	Atten. Sens (dB)	Atten. Accuracy (dB)	EIA WR	VSWR Max	Avg. Power (W)	Flange	Mat.
-	2.6-3.95	3/6/10/20/30/40/50	±0.7	±0.9	WR284	1.15	2400	FDP32	Al
-	3.95-5.85	3/6/10/20/30/40/50	±0.7	±0.9	WR187	1.15	1500	FDP48	Al
-	5.85-8.2	3/6/10/20/30/40/50	±0.7	±0.9	WR137	1.15	1000	FDP70	Al
-	8.2-12.4	3/6/10/20/30/40/50	±0.7	±0.9	WR90	1.15	1100	FBP100	Al
-	12.4-18.0	3/6/10/20/30/40/50	±0.7	±0.9	WR62	1.15	300	FBP140	Al
-	18.0-26.5	3/6/10/20/30/40/50	±0.9	±1.0	WR42	1.2	230	FBP220	Al
-	26.5-40.0	3/6/10/20/30/40/50	±0.9	±1.0	WR28	1.2	125	FBP320	Al
-	33.0-50.0	3/6/10/20/30/40/50	±2.0	±2.0	WR22	1.2	100	FUGP400	Al

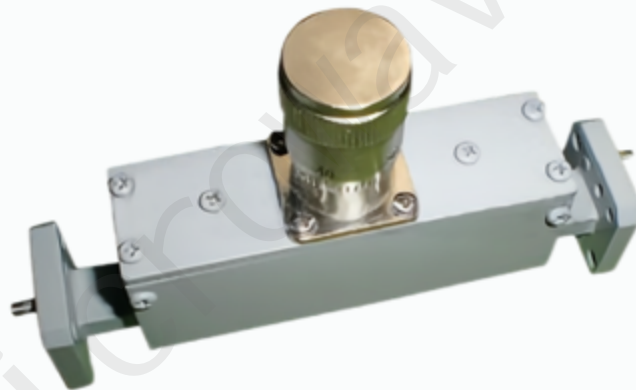
▼ WG Variable Attenuator

Feature:

- Cover a frequency range form **2.6GHz to 50.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar antenna system
- Laboratory test set-ups
- Microwave radio
- Satellite communications
- Other application



P/N	Freq. (GHz)	Atten. (dB)	EIA WR	VSWR Max	Avg. Power (W)	Flange	Mat.
WVA284	2.6-3.95	30	WR284	1.25	10	FDP32	Al
WVA187	3.95-5.85	30	WR187	1.25	8	FDP48	Al
WVA137	5.85-8.2	30	WR137	1.25	6	FDP70	Al
WVA90	8.2-12.4	30	WR90	1.25	4	FBP100	Al
WVA62	12.4-18.0	30	WR62	1.25	1.5	FBP140	Al
WVA42	18.0-26.5	30	WR42	1.2	1	FBP220	Cu
WVA28	26.5-40.0	30	WR28	1.25	1	FBP320	Cu
WVA19	40.0-60.0	30	WR19	1.25	0.5	FUGP500	Cu
WVA12	60.0-90.0	30	WR12	1.5	0.5	FUGP740	Cu
WVA10	75.0-110.0	30	WR10	1.5	0.3	FUGP900	Cu

▼ WG Filter-Band Pass

Feature:

- Cover a frequency range form **21.2GHz to 99.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar antenna system
- Laboratory test set-ups
- Microwave radio
- Satellite communications
- Other application



General Specification

Passband Bandwidth	0.5% to 20% of center frequency
Passband Insertion Loss	Less than 1dB(Depending on bandwidth and rejection requirement)
Rejection	20 to 40dB at center frequency \pm bandwidth
Passband VSWR	1.5 Max
Ripple in Passband	0.5dB Max

P/N	Passband(G Hz)	I. L. (dB)	Rejection Min. (dB)	EIA WR	VSWR Max	Flange	Mat.
WFBP224542	21.2-22.45	0.8	30dB@18-19.3GHz 60dB@24.35-25.55GHz	WR4 2	1.25	FBP220	Al
WFBP236042	22.35-23.6	0.8	30dB@18-20.45GHz 60dB@25.5-26GHz	WR4 2	1.25	FBP220	Al
WFBP298028	28.6-29.8	0.99	70dB@26.5-26.95GHz 70dB@31.45GHz	WR2 8	1.5	FBP320	Al
WFBP360028	34.0-36.0	2.0	60dB@26.5-32.445GHz 60dB@38.5-40GHz	WR2 8	2.0	FBP320	Al
WFBP400028	37.0-40.0	2.0	30dB@10-36GHz 60dB@41-45GHz	WR2 8	2.0	FBP320	Al
WFBP990028	89.0-99.0	3.0	30dB@75-87GHz 50dB@30-102GHz	WR2 8	2.0	FUCP90 0	Cu

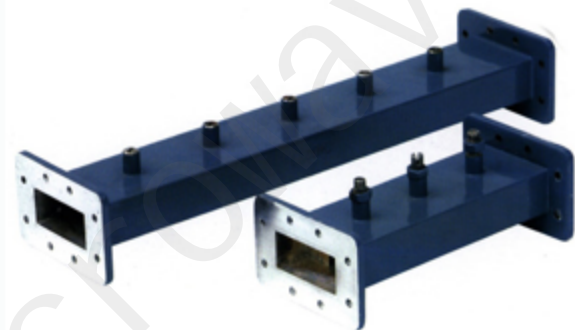
▼ WG Fliter-Low Pass

Feature:

- Cover a frequency range form **2.6GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar antenna system
- Laboratory test set-ups
- Microwave radio
- Satellite communications
- Other application



P/N	Passband (GHz)	I. L. (dB)	Rejection Min. (dB)	EIA WR	VSWR Max	Mat.
WFLP3950284	2.6-3.95	0.5	40dB@2.6GHz 40dB@5.2-9.89GHz	WR284	1.5	Al
WFLP0585187	3.95-5.85	0.5	40dB@3.95GHz 40dB@7.9-14.63GHz	WR187	1.5	Al
WFLP0820137	5.85-8.2	0.5	40dB@5.85GHz 40dB@11.7-20.5GHz	WR137	1.5	Al
WFLP124090	8.2-12.4	0.5	40dB@8.2GHz 40dB@16.4-31GHz	WR90	1.5	Al
WFLP180062	12.4-18.0	0.8	40dB@12.4GHz 40dB@24.8-45GHz	WR62	1.5	Al
WFLP265042	18.0-26.5	1.0	40dB@18GHz 40dB@36-66.25GHz	WR42	1.5	Al
WFLP400028	26.5-40.0	1.0	40dB@26.5GHz 40dB@53-100GHz	WR28	1.5	Al

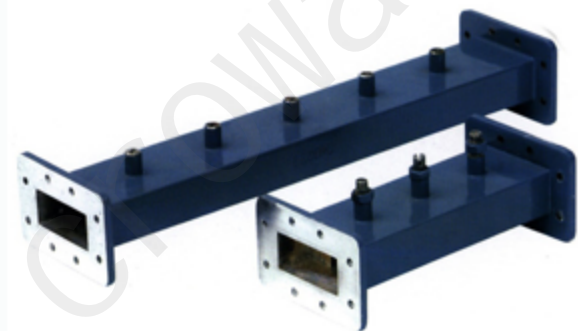
▼ WG Fliter-High Pass

Feature:

- Cover a frequency range form **2.6GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar antenna system
- Laboratory test set-ups
- Microwave radio
- Satellite communications
- Other application



P/N	Passband(GHz)	I. L. (dB)	90% Cutoff Frequency (GHz)	EIA WR	VSWR Max	Flange	Mat.
WFHP0395284	2.6-3.95	0.5	2.34	WR284	1.5	FDP32	Al
WFHP0585187	3.95-5.85	0.5	3.56	WR187	1.5	FDP48	Al
WFHP0820137	5.85-8.2	0.5	5.27	WR137	1.5	FDP70	Al
WFHP082090	8.2-12.4	0.5	7.38	WR90	1.5	FBP100	Al
WFHP180062	12.4-18.0	0.8	11.16	WR62	1.5	FBP140	Al
WFHP265042	18.0-26.5	1.0	16.2	WR42	1.5	FBP220	Cu
WFHP330034	22.0-33.0	1.0	19.8	WR34	1.5	FBP260	Cu
WFHP400028	26.5-40.0	1.0	23.85	WR28	1.5	FBP320	Cu



➔ **Waveguide Components-
Isolator**



▼ **WG Isolator**

Feature:

- Cover a frequency range form **7.05GHz to 112.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar antenna system
- Laboratory test set-ups
- Microwave radio
- Satellite communications
- Other application

P/N	Freq. (GHz)	I. L. (dB)	Iso. (dB)	VSWR Max	Flange
-	7.05-10.0	0.4	20	1.3	FBP
-	8.2-12.4	0.5	20	1.25	FBP
-	12.4-18.0	0.5	20	1.3	FBP
-	18.0-26.5	0.5	20	1.3	FBP
-	25.5-27.0	0.4	20	1.3	FBM
-	27.0-33.0	0.6	18	1.3	FBP
-	33.0-50.0	0.6	17	1.35	FUGP
-	39.0-59.0	0.6	15	1.5	FUGP
-	49.0-75.0	0.6	15	1.5	FUGP
-	60.0-91.0	0.8	15	1.5	FUGP
-	74.0-112.0	1.0	15	1.5	FUGP

Topotech Microwave

▼ WG Circular

Feature:

- Cover a frequency range form **2.3GHz to 45.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar antenna system
- Laboratory test set-ups
- Microwave radio
- Satellite communications
- Other application



P/N	Freq. (GHz)	I. L. (dB)	Iso. (dB)	EIA WR	VSWR Max	Flange
CIRCU0260340	2.3-2.6	0.3	20	WR340	1.2	FDP26
CIRCU0310284	2.75-3.1	0.25	20	WR284	1.25	FDP32
CIRCU0500187	4.4-5.0	0.3	20	WR187	1.25	FDP48
CIRCU1000112	7.05-10.0	0.4	20	WR112	1.25	FBP84
CIRCU099090	8.9-9.9	0.3	20	WR90	1.2	FBP100
CIRCU124090	8.2-12.4	0.5	20	WR90	1.25	FBP100
CIRCU150075	10.0-15.0	0.35	20	WR75	1.25	FBP120
CIRCU180062	12.4-18.0	0.50	20	WR62	1.25	FBP140
CIRCU220051	15.0-22.0	0.50	20	WR51	1.3	FBP180
CIRCU265042	18.0-26.5	0.50	20	WR42	1.3	FBP220
CIRCU270034	24.0-27.0	0.4	20	WR34	1.25	FBP260
CIRCU360028	34.0-36.0	0.6	20	WR28	1.3	FBP320
CIRCU450022	37.0-45.0	0.6	20	WR22	1.3	FUGP400



▼ Short Plates

Feature:

- Cover a frequency range form **0.75GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Reducing the number of flange interfaces during calibration
- Other application



Item	Frequency Range (GHz)
General Short Plates	0.75-110.0
Offset Short	0.75-110.0
Sliding Short	1.12-110.0
Double Ridge Short Plates	0.84-40.0
Double Ridge Offset Short	0.84-40.0



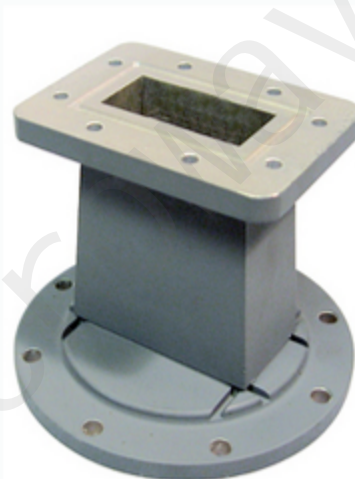
▼ Flange Transitions

Feature:

- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar antenna system
- Laboratory test set-ups
- Microwave radio
- Satellite communications
- Other application



Item	Frequency Range (GHz)
Rectangular to Rectangular	-
EIA Standard Circular to Rectangular	-
Other Circular to Rectangular	-
Double Ridge to Rectangular	-
Double Ridge to Double Ridge	-

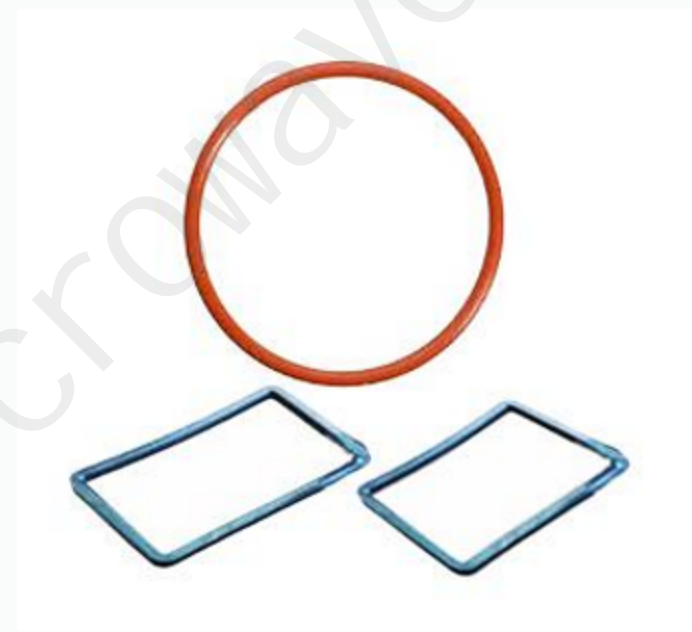


▼ Gaskets

Feature:

- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Item	Frequency Range (GHz)
WG Gasket-Rectangular	-
WG Gasket-Circular	-



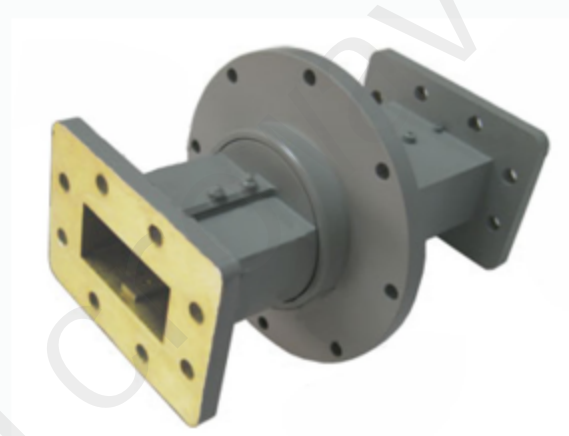
▼ WG Rotary Joint-I type

Feature:

- Cover a frequency range form **4.4GHz to 15.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar antenna system
- Laboratory test set-ups
- Microwave radio
- Satellite communications
- Other application



P/N	EIA WR	Freq. (GHz)	VSWR	I. L. (dB)	Flange	BW (MHz)	Avg. Power (W)	Peak. Power (W)	Mat.
WRJ440460	WR187	4.4-4.6	1.2	0.3	FDP48	FULL	600	600	Al
WRJ480500	WR187	4.8-5.0	1.2	0.3	FDP48	FULL	600	600	Al
WRJ7051000	WR112	7.05-10.0	1.25	0.3	FBP84	FULL	400	150	Al
WRJ750850	WR112	7.5-8.5	1.25	0.3	FBP84	FULL	400	150	Al
WRJ8501000	WR112	8.5-10.0	1.25	0.3	FBP84	FULL	400	150	Al
WRJ800850	WR112	8.0-8.5	1.25	0.3	FBP84	FULL	400	150	Al
WRJ8501000	WR90	8.5-10.0	1.15	0.15	FBP100	FULL	400	150	Al
WRJ12001500	WR75	12.0-15.0	1.35	0.3	FBP120	FULL	750	5	Al
WRJ16001700	WR62	16.0-17.0	1.30	0.4	FBP140	FULL	100	4	Al
WRJ7051000	WR112	7.05-10.0	1.25	0.5	FBP84	-	2000	150	Cu

▼ WG Rotary Joint-U type

Feature:

- Cover a frequency range form **2.6GHz to 40.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar antenna system
- Laboratory test set-ups
- Microwave radio
- Satellite communications
- Other application



P/N	EIA WR	Freq. (GHz)	VS WR	I. L. (dB)	Flange	BW (MHz)	Avg. Power (W)	Peak. Power (W)	Mat.
WRJU260395	WR284	2.6-3.95	1.2	0.3	FDP32/ FDM32	200	600	600	Al/Cu
WRJU330490	WR229	3.3-4.9	1.2	0.3	FDP40/ FDM40	200	600	600	Al/Cu
WRJU395586	WR187	3.95-5.85	1.2	0.3	FDP48/ FDM48	200	600	600	Al/Cu
WRJU490705	WR159	4.90-7.05	1.25	0.3	FDP58/ FDM58	300	500	500	Al/Cu
WRJU585820	WR137	5.85-8.20	1.25	0.3	FDP70/ FDM70	300	500	500	Al/Cu
WRJU705100	WR112	7.05-10.0	1.25	0.3	FBP84	300	400	400	Al/Cu
WRJU8201240	WR90	8.20-12.4	1.25	0.15	FBP100	300	400	400	Al/Cu
WRJU10001500	WR75	10.0-15.0	1.25	0.3	FBP120	500	200	200	Al/Cu
WRJU12401800	WR62	12.4-18.0	1.3	0.4	FBP140	1000	100	100	Al/Cu
WRJU15002200	WR51	15.0-22.0	1.3	0.4	FBP180	1000	100	100	Al/Cu
WRJU18002650	WR42	18.0-26.5	1.4	1.0	FBP220	1000	50	50	Al/Cu
WRJU22003300	WR34	22.0-33.0	1.4	1.0	FBP260	2000	30	30	Al/Cu
WRJU26504000	WR28	26.5-40.0	1.4	1.0	FBP320	2000	30	30	Al/Cu

▼ WG Rotary Joint-L type

Feature:

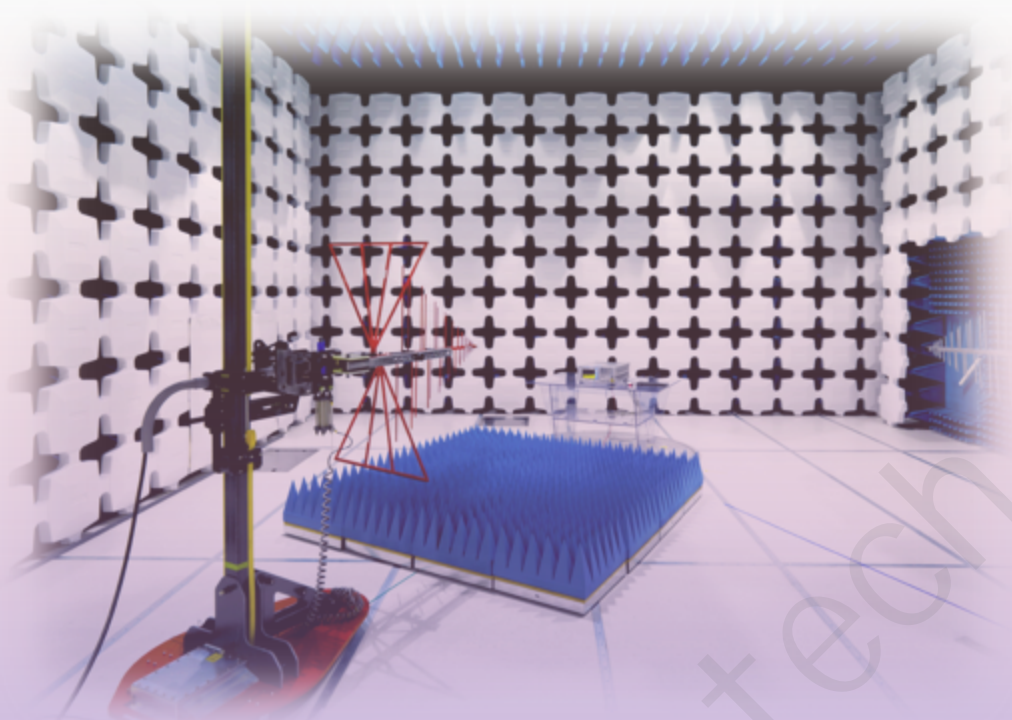
- Cover a frequency range form **8.5GHz to 36.0GHz**
- Low VSWR
- Low insertion loss
- Ruggedness
- Customizable

Application:

- Radar antenna system
- Laboratory test set-ups
- Microwave radio
- Satellite communications
- Other application



P/N	EIA WR	Freq. (GHz)	VSWR	I. L. (dB)	Flange	BW (MHz)	Avg. Power (W)	Peak. Power (W)	Mat.
WRJL8501000	WR90	8.5-10.0	1.25	0.3	FBP100	FULL	400	150	Al
WRJL12001500	WR75	12.0-15.0	1.35	0.3	FBP120	FULL	750	5	Al
WRJL14001450	WR75	14.0-14.5	1.25	0.15	FBP120	FULL	100	4	Al
WRJL16001700	WR62	16.0-17.0	1.50	0.4	FBP140	FULL	100	4	Al
WRJL23803120	WR34	23.8-31.2	1.4	1.0	FBP260	FULL	30	0.3	Cu
WRJL24302970	WR34	24.3-29.7	1.4	1.0	FBP260	FULL	30	0.3	Cu
WRJL24003000	WR34	24.0-30.0	1.4	1.0	FBP260	FULL	30	0.3	Cu
WRJL28003000	WR28	28.0-30.0	1.4	1.0	FBP320	FULL	30	0.3	Cu
WRJL34003600	WR28	34.0-36.0	1.4	1.0	FBP320	FULL	30	0.3	Cu



Contact Us

Toptech Microwave Inc.

Jean Xie

Oversea Sales

jean.xie@toptech-mw.com

Tel: +86 15828105390

www.toptech-mw.com

*4th Floor, Uno International Center, Qingyang Ave.
Qingyang District, Chengdu, China.*