

Elliptical Waveguide



Construction

- Inner: Brass
- Outer: Black PE

Features

- Low VSWR, Low loss
- Long length transport and install
- Good flexible
- Corrosion resistance,Radiation

Application

- Radar, Satellite earth stations
- Microwave relay,Broadcast

Waveguide



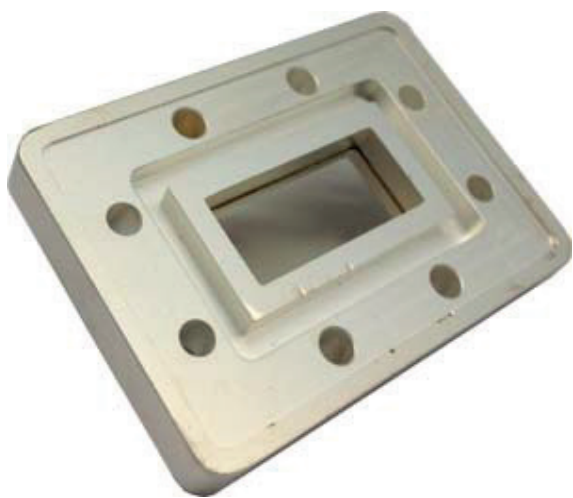
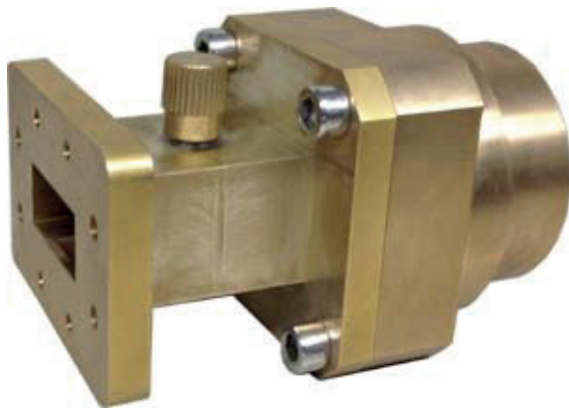
Technic Index

型号 Type	频段 Freg	接口法兰 Flange	驻波比 VSWR	衰减 Insertion loss	峰值功率 Peak Power	外尺寸 Dimensions	重量 Weight	最小弯曲半径 (mm) Min Bend Radius	
	GHz		Max	dB/100m	Kw	mm	Kg/m	E 弯	H 弯
BT24R	2.2 ~ 3.1	BJ32	1.20	2.0(2.2G) 1.8(3.1G)	550	100.5×63.5	2.6	800	2000
BT26	2.5 ~ 2.7	N-K50 IF45	1.25	2.8(2.5G) 2.3(2.7G)	460	108.4×61.3	2.5	600	1500
BT38	3.4 ~ 4.2	BJ40	1.15	3.6(3.4G) 2.6(4.2G)	310	82.6×47.4	1.7	340	840
BT48	4.4 ~ 5.0	BJ48	1.15	4.7(4.4G) 3.8(5.0G)	190	72×42	1.4	300	750
BT54	5.0 ~ 6.0	BJ48 BJ58	1.15	5.3(5.0G) 4.3(6.0G)	150	58.5×38	1.0	240	580
BTX62	5.85 ~ 7.125	BJ70	1.15	5.2(5.9G) 4.5(7.1G)	102	52×30	0.85	220	550
	5.85 ~ 6.425		1.10						
	6.425 ~ 7.125		1.10						
BTX80	7.125 ~ 8.5	/	1.15	6.3(7.1G) 5.6(8.5G)	60	44.8×27.6	0.72	200	520
	7.125 ~ 7.725	BJ70	1.10						
	7.725 ~ 8.5	BJ84	1.10						
BT90	8.5 ~ 10.0	BJ84 BJ100	1.15	11.2(8.6G) 9.5(10.0G)	40	34×24	0.6	160	350
BT110	10.7 ~ 11.7	BJ100	1.15	10.3(10.7G) 9.8(11.7G)	35	33×21	0.5	150	300
BT120	10.95 ~ 12.75	BJ120	1.15	10.8(10.95G) 10.5(12.75G)	35	29×15	0.4	150	300
BT148	14.00 ~ 15.35	BJ120 BJ140	1.20	16.5(14.0G) 15.5(15.4G)	20	25.3×16	0.34	150	30
BT188	17.7~19.7	BJ140 BJ220	1.25	20.5(17.7G) 19.0(19.7G)	7	23.6×16.1	0.22	150	300

Accessories

■ Connector

- Fixed-tuned
- Reliable sealing
- Easy Install



■ Pressure Window

- Low VSWR, Low loss
- Reliable sealing

Accessories

Hangers

- Fixed Reliable
- Easy Install



Waveguide Boot

- Good appearance

Ground Kit

- Reliable



Accessories



Dehydrator

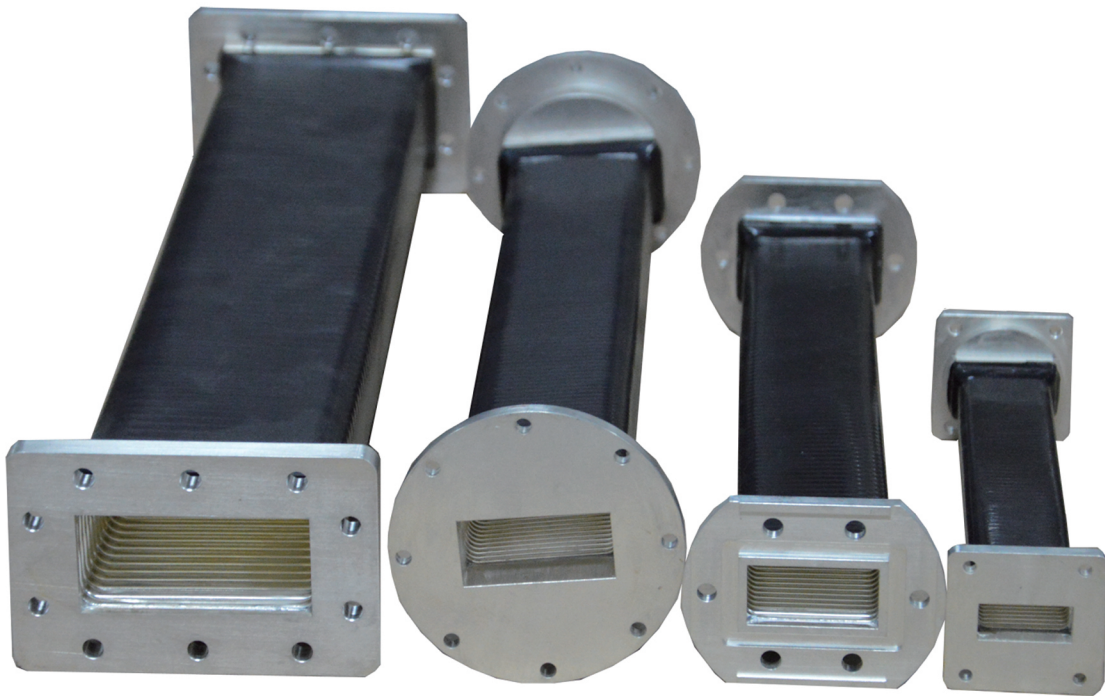
Dehydrator is mainly used to charge for waveguide in the field of microwave station. This equipment can maintain dry air pressure in the communication line automatically in order to keep out of moist air and water and ensure the quality transmit signal.

Our machine has advantage of small size、reasonable in inner structure、good manufacture、install easily and operate safely.

Technic Index

工作压力 work pressure	2.5-25KPa
最大充气流量 Nix charge flux	15ascend/minute
工作电压 work voltage	AC 220V±10% 50-60Hz DC48V±15%
耗电量 Power consume	充气状态 (Charge state)30VA 保压状态 (maintain voltage state)5VA
供气出口 Air feed out put	4
主机气密性 Mainframe gas tightness	保压 24 小时后压力下降小于 3KPa
Maintain voltage 24hours later pressure reduce less than 3KPa	-55~ +70°C
噪声 noise	≤ 45dB
最小故障间隔 MTBF	30000hour
外形尺寸 size	370×260×120mm
重量 Weight	8kg

Seamless Waveguide



Construction

- Inner: Silver-plated Brass
- Outer: Silicone / S-7

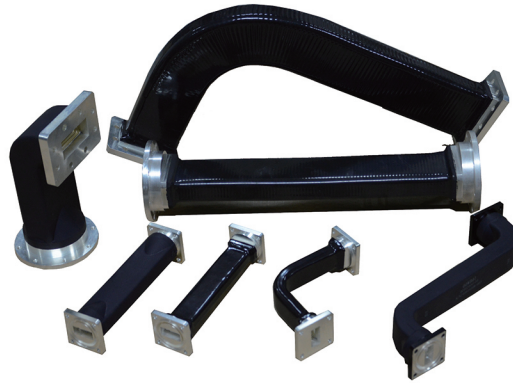
Features

- Low VSWR, Low loss
- High power performance
- Good flexible
- Preform to a desired shape

Application

- Radar, Satellite earth stations
- Microwave measure, microwave medical

Seamless



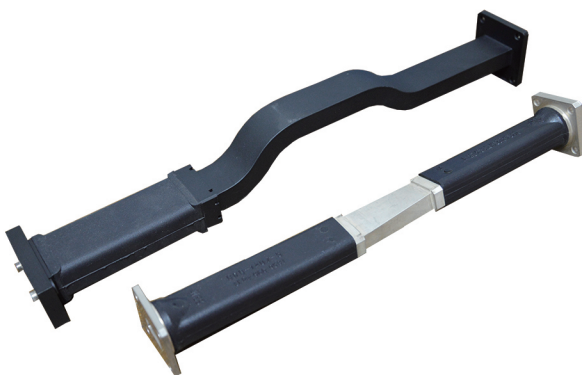
Technic Index

型号 Type	频段 Freg	接口法兰 Flange	驻波比 VSWR	衰减 Insertion loss	峰值功率 Peak Power	外尺寸 Dimensions	重量 Weight	最小弯曲半径 (mm) Min Bend Radius	
	GHz		Max	dB/100m	Kw	mm	Kg/m	E 弯	H 弯
BRB14	WR650	1.20~1.70	1.10	0.12	20	165.10×82.55	0.2	500	1000
BRB22	WR430	1.70~2.60	1.10	0.15	20	109.22×54.61	0.2	312	624
BRB26	WR340	2.17~3.30	1.10	0.15	20	86.36×43.18	0.2	260	520
BRB32	WR284	2.60~3.95	1.10	0.15	10	72.14×34.04	0.2	204	408
BRB40	WR229	3.30~4.90	1.10	0.17	8	58.17×29.08	0.2	166	332
BRB48	WR187	3.95~5.85	1.10	0.24	6.5	47.55×22.15	0.2	160	320
BRB58	WR159	4.90~7.05	1.10	0.26	6	40.39×20.19	0.2	129	258
BRB70	WR137	5.85~8.20	1.10	0.30	5	34.85×15.80	0.2	100	200
BRB84	WR112	7.05~10.0	1.10	0.35	4	28.50×12.62	0.2	76	152
BRB100	WR90	8.20~12.4	1.10	0.45	3	22.86×10.16	0.2	66	132
BRB120	WR75	10.0~15.0	1.15	0.65	1.5	19.05×9.53	0.2	63	126
BRB140	WR62	12.4~18.0	1.15	0.74	1	15.80×7.90	0.2	56	112
BRB180	WR51	14.5~22.0	1.15	1.15	0.5	12.95×6.48	0.2	50	100
BRB220	WR42	17.7~26.5	1.20	1.40	0.3	10.67×4.32	0.2	38	76
BRB260	WR34	22.0~33.0	1.25	1.60	0.2	8.64×4.32	0.2	35	70
BRB320	WR28	26.5~40.0	1.30	2.40	0.15	7.11×3.56	0.2	20	40

Extend

■ Half-Height

- Smaller size
- Low VSWR and loss



■ Hybrid

- Lower insertion loss
- Proving gas tight joints
- Eliminating EMC problems associated with flange interface

Twist-Flex Waveguid



Construction

- Inner: Brass
- Outer: Silicone / S-7

Features

- Low VSWR, Low loss
- Good flexible and twistable
- Stable capability during flexing and twisting

Application

- Microwave relay, Broadcast

Twist-Flex



Technic Index

型号 Type	频段 Freg	接口法兰 Flange	驻波比 VSWR	衰减 Insertion loss	峰值功率 Peak Power	外尺寸 Dimensions	重量 Weight	最小弯曲半径 (mm) Min Bend Radius	
	GHz		Max	dB/100m	Kw	mm	Kg/m	E 弯	H 弯
BRA58	WR159	4.90~7.05	1.10	0.22	2.5	40.39×20.19	170	129	258
BRA70	WR137	5.85~8.20	1.10	0.25	2.0	34.85×15.80	205	100	200
		5.850~6.425 6.425~7.125 7.125~7.725 7.725~8.200	1.06 1.06 1.06 1.06						
BRA84	WR112	7.05~10.00	1.10	0.30	1.5	28.50×12.62	262	76	152
		7.125~7.725 7.725~8.500	1.06 1.06						
BRA100	WR90	8.20~12.40	1.10	0.40	1	22.86×10.16	308	66	132
		10.70~11.70	1.06						
BRA120	WR75	10.0~15.0	1.15	0.50	0.75	19.05×9.53	360	63	126
		12.75~13.25 13.75~14.50	1.10 1.10						
BRA140	WR62	12.4~18.0	1.15	0.80	0.4	15.80×7.90	436	56	112
		12.70~13.25 14.25~15.35	1.10 1.10						
BRA180	WR51	15.0~22.0	1.15	1.10	0.2	12.95×6.48	445	50	100
BRA220	WR42	17.7~26.5	1.20	1.20	0.1	10.67×4.32	510	38	76
		21.2~23.6	1.15						
BRA260	WR34	22.0~33.0	1.20	1.50	0.1	8.64×4.32	510	35	70
BRA320	WR28	26.5~40.0	1.20	2.00	0.075	7.11×3.56	510	20	40
BRA400	WR22	40.5~43.5	1.30	2.70	0.025	5.69×2.85	510	18	36

Waveguide-Cable



Waveguide to Coaxial

频段 Freg	接口 1 Interface1	接口 2 Interface2	长度 length	驻波比 VSWR	衰减 Insertion Loss	平均功率 Peak Power	最小弯曲半径 Min Bend Radlus
MHz			mm	Max	dB	Kw	mm
5.9~7.1	BJ70	N	1200	1.30	1.20	30	100
7.1~10.0	BJ84	N	1200	1.30	1.20	30	100
7.1~10.0	BJ84	N	900	1.30	0.90	30	100
X 波段 X-Band	非标波导口 Non-standard	SMA	150	1.20	0.50	30	30