

Twistable Flexible Waveguide

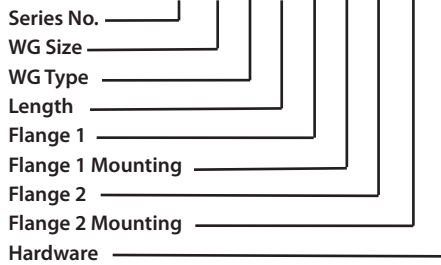
Series No: 118

Part Description

UBS offers a line of twistable flexible or flexible waveguide sections. These sections are manufactured from spiral-wound silver plated conductors covered with a protective, pressure tight black neoprene or silicone rubber jacket. All standard waveguide flanges are available. In addition to the popular standard line of flanges listed, UBS offers a more complete line of industry standard flange styles upon request. Please specify the length that is required.

Ordering Data

Part number - 118 - X - X - X - X - X - X - X - X



Flange Configuration

Flange Type	C - Cover G - Groove CHOKE CMR CPR(F, G)
Flange Mounting Holes	T1 - Through Holes T2 - Threaded A - Alternating

Hardware	1 - Required 0 - Not Required
Twistable Flexible	A
Flexible	B

Specifications

Size	C	G	CHOKE	CMR	CPR	MATCHING WG INTERNAL DIMENSIONS (in)	OPERATIONAL FREQUENCY BAND (GHz)	NOMINAL TEST FREQ. FOR ATTENUATION (GHz)	MAXIMUM IL ATTENUATION (dB/ft)	MAXIMUM VSWR < 36" >	MAXIMUM VSWR < 36" >	Power Handling (W)
WR28	•	•	•			0.280 x 0.140	26.50 - 40.00	34.00	1.00	1.30 - 36" max		75
WR42	•	•	•			0.420 x 0.170	18.00 - 26.50	22.00	0.70	1.18 1.23	1.20 1.25	100
WR51	•	•	•			0.510 x 0.255	15.00 - 22.00	18.50	0.55	1.15 1.18	1.17 1.20	400
WR62	•	•	•			0.622 x 0.311	12.40 - 18.00	14.00	0.28	1.10 1.13	1.13 1.16	400
WR75	•	•	•			0.750 x 0.375	10.00 - 15.00	13.70	0.18	1.08 1.10	1.10 1.13	750
WR90	•	•	•	•	•	0.900 x 0.400	8.20 - 12.40	9.40	0.15	1.07 1.10	1.10 1.13	1000
WR112	•	•	•	•	•	1.122 x 0.497	7.05 - 10.00	9.40	0.12	1.07 1.10	1.10 1.13	1500
WR137	•	•	•	•	•	1.372 x 0.622	5.85 - 8.20	6.45	0.09	1.05 1.09	1.09 1.10	2000
WR159	•	•	•	•	•	1.590 x 0.795	4.90 - 7.05	5.90	0.08	1.05 1.08	1.08 1.10	2500
WR187	•	•	•	•	•	1.872 x 0.872	3.95 - 5.85	4.75	0.05	1.05 1.07	1.07 1.10	3000
WR229	•	•	•	•	•	2.290 x 1.145	3.30 - 4.90	3.85	0.04	1.05 1.07	- -	4000
WR284	•	•	•	•	•	2.840 x 1.340	2.60 - 3.95	3.15	0.04	1.04 1.07	1.07 1.10	4000

(specifications are subject to change without notice)