



Model WF/WR/WS/WT (90°)/WB(90°)
Microwave Waveguide

AR offers a standard product line of low loss microwave waveguide. The WF1800 and WR1800 series are recommended for the output of our Model 200T8G18A, Model 500T8G18 and Model 1000T8G18B broadband microwave power amplifiers. The Model WF is flexible and twistable waveguide. The Model WR is rigid waveguide. The Model WT (90°) is Rigid Twist Waveguide. The Model WS is seamless waveguide. The Model WB is E or H bend 90°. All microwave waveguides on this specification are export-classified as EAR99.

Model No.	Type	Frequency	Attenuation (dB/meter)	Length cm (ft)	VSWR	Power (watts)
WB250E	WRD-250 D30	2.5-7.5 GHz	0.03	22.875 cm (.75')	1.1:1	4800
WB250H	WRD-250 D30	2.5-7.5 GHz	0.03	22.875 cm (.75')	1.1:1	4800
WB750E	WRD-750 D24	7.5-18 GHz	0.33	7.625 cm (.25')	1.12:1	4800
WB750H	WRD-750 D24	7.5-18 GHz	0.33	7.625 cm (.25')	1.12:1	4800
WF1830	WRD-750 D24	7.5-18 GHz	0.8038	30.5 cm (1')	1.20:1	250
WF1860	WRD-750 D24	7.5-18 GHz	0.8038	60.96 cm (2')	1.30:1	250
WF1890	WRD-750 D24	7.5-18 GHz	0.8038	91.44 cm (3')	1.40:1	250
WF18100	WRD-750 D24	7.5-18 GHz	0.8038	100 cm (3.28')	1.40:1	250
WF18120	WRD-750 D24	7.5-18 GHz	0.8038	122 cm (4')	1.40:1	250
WF18150	WRD-750 D24	7.5-18 GHz	0.8038	152 cm (5')	1.40:1	250
WF2615	WR-42	18-26.5 GHz	1.0	15.25 cm (0.5')	1.2:1	100
WF2630	WR-42	18-26.5 GHz	1.0	30.50 cm (1')	1.2:1	100
WF2645	WR-42	18-26.5 GHz	1.0	45.75 cm (1.5')	1.2:1	100
WF26100	WR-42	18-26.5 GHz	1.0	100 cm (3.28')	1.2:1	100
WF4015	WR-28	26.5-40 GHz	1.64	15.25 cm (0.5')	1.35:1	75
WF4030	WR-28	26.5-40 GHz	1.64	30.50 cm (1')	1.35:1	75
WF4045	WR-28	26.5-40 GHz	1.64	45.75 cm (1.5')	1.35:1	75
WF4090	WR-28	26.5-40 GHz	1.64	91.44 cm (3')	1.35:1	75
WF40100	WR-28	26.5-40 GHz	1.64	100 cm (3.28')	1.35:1	75
WF4100	WR-284	2.5-4 GHz	0.056	100 cm (3.28')	1.06:1	4000
WF8030	WRD-180 C24	18-40 GHz	2 dB/ft	30.5 cm (1')	1.35:1	50
WF8100	WRD-350 D24	4-7.5 GHz	0.315	100 cm (3.28')	1.30:1	800

Continued on the next page

Model No.	Type	Frequency	Attenuation (dB/meter)	Length cm (ft)	VSWR	Power (watts)
WR1820	WRD-750D24	7.5-18 GHz	0.40 dB/m	20.3 cm (8")	1.2:1	3000
WR1830	WRD-750 D24	7.5-18 GHz	0.40 dB/m	30.5 cm (1')	1.1:1	3000
WR1857	WRD-750 D24	7.5-18 GHz	0.40 dB/m	57.5 cm (1.885')	1.2:1	3000
WR1860	WRD-750 D24	7.5-18 GHz	0.40 dB/m	60.96 cm (2')	1.1:1	3000
WR1890	WRD-750 D24	7.5-18 GHz	0.40 dB/m	91.44 cm (3')	1.1:1	3000
WR18120	WRD-750 D24	7.5-18 GHz	0.40 dB/m	122 cm (4')	1.1:1	3000
WR18150	WRD-750 D24	7.5-18 GHz	0.40 dB/m	152 cm (5')	1.1:1	3000
WR18300	WRD-750 D24	7.5-18 GHz	0.40 dB/m	300 cm (9.84')	1.1:1	3000
WR2630	WR-42	18-26.5 GHz	0.79	30.5 cm (1')	1.15:1	350
WR2660	WR-42	18-26.5 GHz	0.79	60.96 cm (2')	1.12:1	350
WR2690	WR-42	18-26.5 GHz	0.79	91.44 cm (3')	1.2:1	350
WR4030	WR-28	26.5-40 GHz	1.27	30.5 cm (1')	1.2:1	250
WR4060	WR-28	26.5-40 GHz	1.27	60.96 cm (2')	1.25:1	250
WR4090	WR-28	26.5-40 GHz	1.27	91.44 cm (3')	1.3:1	250
WR7530	WRD-250 D30	2.5-7.5 GHz	0.55 dB/m	30.5 cm (1')	1.1:1	14,000
WR7545	WRD250D30	2.5-7.5 GHz	0.55 dB/m	45.7 cm (18")	1.3:1	14,000
WR7557	WRD-250 D30	2.5-7.5 GHz	0.55 dB/m	56.84 cm (1.865')	1.3:1	14,000
WR7560	WRD-250 D30	2.5-7.5 GHz	0.55 dB/m	60.96 cm (2')	1.3:1	14,000
WR7590	WRD-250 D30	2.5-7.5 GHz	0.55 dB/m	91.44 cm (3')	1.3:1	14,000
WR75150	WRD-250 D30	2.5-7.5 GHz	0.55 dB/m	152 cm (5')	1.3:1	14,000
WR75240	WRD-250 D30	2.5-7.5GHz	0.55 dB/m	243.84 cm (8')	1.3:1	14,000
WR8030	WRD-180 C24	18-40 GHz	1.5 dB/m	30.5 cm (1')	1.25:1	450
WR8060	WRD-180 C24	18-40 GHz	1.5 dB/m	60.96 cm (2')	1.25:1	450
WR8090	WRD-180 C24	18-40 GHz	1.5 dB/m	91.44 cm (3')	1.25:1	450
WS1830	WRD-750D24	7.5-18 GHz	0.656	30.5 cm (1')	1.15:1	1500
WS7530	WRD250D30	2.5-7.5 GHz	0.23	30.5 cm (1')	1.3:1	2000
WS7560	WRD250D30	2.5-7.5 GHz	0.23 dB/ft	60.96 cm (2')	1.3:1	2000
WT250	WRD-250 D30	2.5-7.5 GHz	.0089 dB/ft	22.9 cm 9"	1.08:1	14,000
WT250M1	WRD-250 D30	2.5-7.5 GHz	.0089 dB/ft	30.5 cm 12"	1.08:1	14,000
WT750	WRD-750D24	7.5-18 GHz	0.17 dB/ft	12.7 cm 5"	1.12:1	2900
WT750M1	WRD-750D24	7.5-18 GHz	0.17 dB/ft	20.3 cm 8"	1.12:1	2900