

# Waveguides & Adapters

## Waveguides and Waveguide Adapters

AR also offers a full line of low loss microwave waveguides for high frequency testing. We offer several varieties of waveguides including flexible twistable, rigid, seamless, 90 degree rigid twist and 90 degree E or H bend. Our line of waveguide adapters are high power, double rigid waveguide-to-coax adapters. For a full listings of our offerings, please visit our website for the full specification sheets.



### Waveguides Series

- WF Series (flexible twistable waveguides)
- WR Series (rigid waveguides)
- WS Series (seamless waveguides)
- WT Series (90 degree rigid twist waveguides)
- WB Series (90 degree E of H bend)

### Waveguide Adapters

WAVEGUIDES					
	Frequency Range	Waveguide	Available Lengths	Power (watts)	Attenuation (dB/meter)
WF Series	7.5 to 18 GHz	WRD-750-D24	30.5 to 243 cm (1 to 8 ft)	650	1.15
	18 to 26.5 GHz	WR-42	15.25 to 200 cm (0.5 to 6.56 ft)	100	1
	26.5 to 40 GHz	WR-28	15.25 to 200 cm (0.5 to 6.56 ft)	75	1.64
WR Series	7.5 to 18 GHz	WRD-750-D24	30.5 to 243 cm (1 to 8 ft)	3000	0.4
	18 to 26.5 GHz	WR-42	30.5 to 91.44 cm (1 to 3 ft)	350	0.79
	26.5 to 40 GHz	WR-28	30.5 to 91.44 cm (1 to 3 ft)	250	1.27
WAVEGUIDE ADAPTERS					
Frequency Range	Waveguide	Coax Connector	Sex	Power	Comments
7.5 to 18 GHz	WRD-750-D24	N	M or F	500	Side or End Launch
		TNC	M or F	500	Side or End Launch
		N	M or F	250	Side Launch only
		SMA	F	50	Side Launch only
2.5 to 7.8 GHz	WRD-250-D30	7-16 DIN	M or F	750	Side or End Launch
		N	M or F	750	Side or End Launch
		SC	M or F	1000	Side or End Launch
		N	M or F	250	Side Launch only
		SMA	F	50	Side Launch only
18 to 26.5 GHz	WR-42	K	M or F	10	Side or End Launch
		SMA	F	50	Side Launch only
		SMA	F	100	End Launch only
26.5 to 40 GHz	WR-28	K	M or F	10	Side or End Launch