Model AD Series
Waveguide & Coaxial Adapters

AR RF/Microwave Instrumentation offers a standard product line of high power, double-ridge waveguide-to-coax adapters. VSWR over the full waveguide bandwidth is 1.50:1 typical for most models, or that of the coaxial connector selected. Insertion Loss is 0.25 dB maximum.

MODEL NO.	WAVEGUIDE	COAX CONNECTOR	SEX	POWER (WATTS)	COMMENTS
FREQUENCY RANGE 7.5 to 18 GHz					
AD1000	WRD-750-D24	N	M	500	Side Launch
AD1001	WRD-750-D24	N	F	500	Side Launch
AD1002	WRD-750-D24	N	M	500	End Launch
AD1003	WRD-750-D24	N	F	500	End Launch
AD1004	WRD-750-D24	TNC	M	500	Side Launch
AD1005	WRD-750-D24	TNC	F	500	Side Launch
AD1006	WRD-750-D24	TNC	M	500	End Launch
AD1007	WRD-750-D24	TNC	F	500	End Launch
AD1010	WRD-750-D24	SMA	F	50	Side Launch
FREQUENCY RANGE 2.5 to 7.5 GHz					
AD1100	WRD-250-D30	7-16 DIN	F	750	End Launch
AD1101	WRD-250-D30	7-16 DIN	M	750	End Launch
AD1102	WRD-250-D30	7-16 DIN	F	750	Side Launch
AD1103	WRD-250-D30	7-16 DIN	M	750	Side Launch
FREQUENCY RANGE 2.5 to 7.8 GHz					
AD1104	WRD-250-D30	N	F	750	End Launch
AD1105	WRD-250-D30	N	M	750	End Launch
AD1106	WRD-250-D30	N	F	750	Side Launch
AD1107	WRD-250-D30	N	M	750	Side Launch
AD1108	WRD-250-D30	SC	F	1000	End Launch
AD1109	WRD-250-D30	SC	M	1000	End Launch
AD1110	WRD-250-D30	SC	F	1000	Side Launch
AD1111	WRD-250-D30	SC	M	1000	Side Launch
AD1112	WRD-250-D30	N	F	250	Side Launch
AD1113	WRD-250-D30	N	M	250	Side Launch
AD1114	WRD-250-D30	SMA	F	50	Side Launch
FREQUENCY RANGE 2.5 to 4 GHz					
AD1200	WRD-250-D30	LC	F	1000	End Launch
AD1201	WRD-250-D30	LC	M	1000	End Launch
AD1202	WRD-250-D30	LC	F	1000	Side Launch
AD1203	WRD-250-D30	LC	M	1000	Side Launch
FREQUENCY RANGE 2.2 to 3.3 GHz					
AD1300	WR-340	7-16 DIN	F	1000	Side Launch
FREQUENCY RANGE 3.5 to 7.5 GHz					
AD1400	WRD-350	7-16 DIN	F	500	Side launch
AD1401	WRD-350	7-16 DIN	M	500	Side launch
FREQUENCY RANGE 3.5 to 8.2 GHz					
AD1402	WRD-350	N	F	500	Side launch
AD1403	WRD-350	N	M	500	Side launch

FREQUENCY RANGE 6 to 18 GHz					
AD1500	WRD-650	N	F	500	Side Launch
AD1501	WRD-650	N	M	500	Side Launch
AD1502	WRD-650	N	F	500	End Launch
AD1503	WRD-650	N	M	500	End Launch
FREQUENCY RANGE 18 to 40 GHz					
AD3000	WRD-180-C24	K	F	10	Side Launch
AD3001	WRD-180-C24	K	F	10	End Launch
FREQUENCY RANGE 18 to 26.5 GHz					
AD4000	WR-42	K	F	30	Side Launch
AD4001	WR-42	K	F	30	End Launch
AD4002	WR-42	SMA	F	50	Side Launch
AD4003	WR-42	SMA	F	50	End Launch
AD4004	WR-42	K	M	30	Side Launch
AD4005	WR-42	K	M	30	End Launch
FREQUENCY RANGE 26.5 to 40 GHz					
AD4100	WR-28	K	F	10	Side Launch
AD4101	WR-28	K	F	10	End Launch
AD4200	WR-28	K	M	10	Side Launch
AD4201	WR-28	K	M	10	End Launch
FREQUENCY RANGE 33 to 50 GHz					
AD4400	WR-22	2.4 mm	F	10	Side Launch
AD4401	WR-22	2.4 mm	M	10	Side Launch

AR RF/Microwave Instrumentation offers a standard product line of fabricated waveguide transitions with a VSWR of 1.15:1.00 maximum in the overlap frequency bands. Insertion loss is 0.11 dB maximum.

AD2000	WRD-750-D24 to WR62	12–18 GHz	1.4 kW CW	L = 4.5 inches
AD2001	WRD-750-D24 to WR90	8–12.4 GHz	1.5kW CW	L = 6 inches
AD2002	WRD-750 D24 TO WRD-650-D28	7.5–18 GHz	2.6 kW CW	L = 6 inches
AD2010	WRD-200-D24 to WR284	2.5–4.0 GHz	24 kW CW	L = 9 inches
AD2020	WRD-250-D30 to WRD-350-D24	4.0–7.5 GHz	11 kW CW	L = 8 inches
AD2030	WRD-250-D30 to WR284	2.5–4.0 GHz	24 kW CW	L = 12 inches
AD2040	WRD-250-D30 to WRD-200-D24	2.5–4.8 GHz	24 kW CW	L = 10 inches
AD2050	WRD-180-C24 to WR-28	26.5–40 GHz	250 W CW	L = 2 inches

AR RF/Microwave Instrumentation offers a standard product line of fabricated coaxial adapters with low VSWR and insertion loss.

AD5000	7/8″ EIA to 7-16 DIN female	DC–6 GHz	750 W CW
AD5001	7/8″ EIA to 7-16 DIN male	DC–6 GHz	750 W CW
AD5002	1-5/8″ EIA to 7-16 DIN female	DC–3 GHz	1.0 kW CW
AD5003	1-5/8″ EIA to 7-16 DIN male	DC–3 GHz	1.0 kW CW
AD5004	1-5/8″ EIA to N female	DC–3 GHz	600 W CW
AD5005	7/8″ EIA to N female	DC–6 GHz	450 W CW
AD5006	1-5/8″ EIA to 3-1/8″ EIA	DC-1.5GHz	4.5 kW CW

EXPORT CLASSIFICATION FOR ALL AD MODELS…EAR99