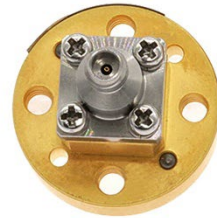


Waveguide to Coax Adapters

Edition 202507



OCENX

Shenzhen Ocen Technology Co., Ltd.

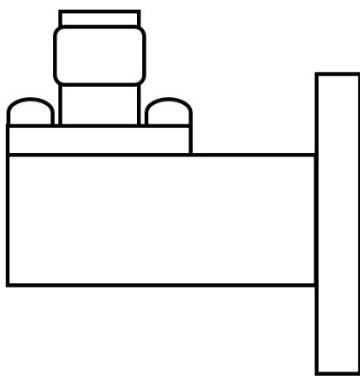
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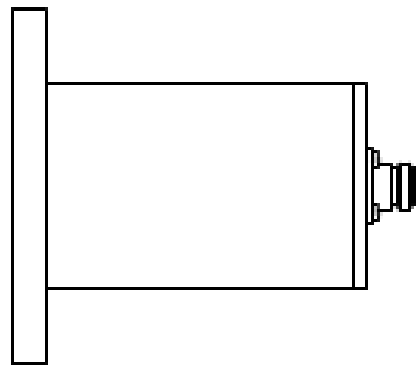
General Information

Our Waveguide to Coax Adapters provide a high-performance interface, enabling seamless and efficient signal transition between waveguide systems and standard coaxial transmission lines. Engineered for precision and reliability across specified microwave frequency bands, these adapters minimize signal loss and reflection, ensuring maximum power transfer and system integrity.

Adapter Style



Right Angle



End Launch

Waveguide to Coax Adapters - Right Angle

Waveguide to Coax Adapters - Right Angle						
Model	Frequency (GHz)	VSWR	Waveguide interface	Waveguide flange	Coax interface	Body material
WCA-WR10-10F-RC01	73.8 ~ 110	1.50	WR10 (BJ900)	FUGP900 (UG387/UM)	1.0mm female	Copper
WCA-WR10-10M-RC01	73.8 ~ 110	1.50	WR10 (BJ900)	FUGP900 (UG387/UM)	1.0mm male	Copper
WCA-WR12-10F-RC01	60.5 ~ 91.9	1.40	WR12 (BJ740)	FUGP740 (UG387/U)	1.0mm female	Copper
WCA-WR12-10F-RC01	60.5 ~ 91.9	1.40	WR12 (BJ740)	FUGP740 (UG387/U)	1.0mm male	Copper
WCA-WR15-10F-RC01	49.8 ~ 75.8	1.40	WR15 (BJ620)	FUGP620 (UG385/U)	1.0mm female	Copper
WCA-WR15-185F-RC01	49.8 ~ 67.0	1.35	WR15 (BJ620)	FUGP620 (UG385/U)	1.85mm female	Copper
WCA-WR15-185M-RC01	49.8 ~ 67.0	1.35	WR15 (BJ620)	FUGP620 (UG385/U)	1.85mm male	Copper
WCA-WR19-185F-RC01	39.2 ~ 59.6	1.30	WR19 (BJ500)	FUGP500 (UG383/UM)	1.85mm female	Copper
WCA-WR22-24F-RC01	32.9 ~ 50.0	1.25	WR22 (BJ400)	FUGP400 (UG383/U)	2.4mm female	Copper
WCA-WR22-24M-RC01	32.9 ~ 50.0	1.25	WR22 (BJ400)	FUGP400 (UG383/U)	2.4mm male	Copper
WCA-WR22-292F-RC01	26.3 ~ 40.0	1.20	WR28 (BJ320)	FBP320 (UBR320, UG599/U)	2.92mm female	Copper
WCA-WR22-292F-RA01	26.3 ~ 40.0	1.25	WR28 (BJ320)	FBP320 (UBR320, UG599/U)	2.92mm female	Aluminum
WCA-WR22-292M-RC01	26.3 ~ 40.0	1.20	WR28 (BJ320)	FBP320 (UBR320, UG599/U)	2.92mm male	Copper
WCA-WR34-292F-RC01	21.7 ~ 33.0	1.20	WR34 (BJ260)	FBP260 (UBR260)	2.92mm female	Copper
WCA-WR34-292F-RA01	21.7 ~ 33.0	1.25	WR34 (BJ260)	FBP260 (UBR260)	2.92mm female	Aluminum
WCA-WR42-292F-RC01	17.6 ~ 26.7	1.20	WR42 (BJ220)	FBP220 (UBR220, UG595/U)	2.92mm female	Copper
WCA-WR42-292M-RC01	17.6 ~ 26.7	1.20	WR42 (BJ220)	FBP220 (UBR220, UG595/U)	2.92mm male	Copper
WCA-WR42-292F-RA01	17.6 ~ 26.7	1.25	WR42 (BJ220)	FBP220 (UBR220, UG595/U)	2.92mm female	Aluminum

Waveguide to Coax Adapters - Right Angle						
Model	Frequency (GHz)	VSWR	Waveguide interface	Waveguide flange	Coax interface	Body material
WCA-WR51-292F-RC01	14.5 ~ 22.0	1.20	WR51 (BJ180)	FBP180 (UBR180)	2.92mm female	Copper
WCA-WR62-292F-RC01	11.9 ~ 18.0	1.20	WR62 (BJ140)	FBP140 (UBR140, UG419/U)	2.92mm female	Copper
WCA-WR62-NF-RC01	11.9 ~ 18.0	1.20	WR62 (BJ140)	FBP140 (UBR140, UG419/U)	N female	Copper
WCA-WR62-SMAF-RC01	11.9 ~ 18.0	1.20	WR62 (BJ140)	FBP140 (UBR140, UG419/U)	SMA female	Copper
WCA-WR75-NF-RC01	9.84 ~ 15.0	1.20	WR75 (BJ120)	FBP120 (UBR120)	N female	Copper
WCA-WR75-SMAF-RA01	9.84 ~ 15.0	1.25	WR75 (BJ120)	FBP120 (UBR120)	SMA female	Aluminum
WCA-WR75-SMAF-RC01	9.84 ~ 15.0	1.20	WR75 (BJ120)	FBP120 (UBR120)	SMA female	Copper
WCA-WR90-NF-RC01	8.20 ~ 12.5	1.20	WR90 (BJ100)	FBP100 (UBR100, UG39/U)	N female	Copper
WCA-WR90-NF-RC02	8.20 ~ 12.5	1.20	WR90 (BJ100)	FDM100 (PDR100, CPR90G)	N female	Copper
WCA-WR90-SMAF-RA01	8.20 ~ 12.5	1.25	WR90 (BJ100)	FBP100 (UBR100, UG39/U)	SMA female	Aluminum
WCA-WR90-SMAF-RC01	8.20 ~ 12.5	1.20	WR90 (BJ100)	FBP100 (UBR100, UG39/U)	SMA female	Copper
WCA-WR90-SMAF-RC02	8.20 ~ 12.5	1.20	WR90 (BJ100)	FDM100 (PDR100, CPR90G)	SMA female	Copper
WCA-WR112-NF-RC01	6.57 ~ 9.99	1.20	WR112 (BJ84)	FBP84 (UBR84, UG51/U)	N female	Copper
WCA-WR112-NF-RC02	6.57 ~ 9.99	1.20	WR112 (BJ84)	FDP84 (UDR84, CPR112F)	N female	Copper
WCA-WR112-NF-RC03	6.57 ~ 9.99	1.20	WR112 (BJ84)	FDM84 (PDR84, CPR112G)	N female	Copper
WCA-WR112-SMAF-RC01	6.57 ~ 9.99	1.20	WR112 (BJ84)	FBP84 (UBR84, UG51/U)	SMA female	Copper
WCA-WR112-SMAF-RC02	6.57 ~ 9.99	1.20	WR112 (BJ84)	FDM84 (PDR84, CPR112G)	SMA female	Copper
WCA-WR137-NF-RC01	5.38 ~ 8.17	1.20	WR137 (BJ70)	FDP70 (UDR70, CPR137F)	N female	Copper

Waveguide to Coax Adapters - Right Angle						
Model	Frequency (GHz)	VSWR	Waveguide interface	Waveguide flange	Coax interface	Body material
WCA-WR137-NF-RC02	5.38 ~ 8.17	1.20	WR137 (BJ70)	FDM70 (PDR70, CPR137G)	N female	Copper
WCA-WR137-SMAF-RC01	5.38 ~ 8.17	1.20	WR137 (BJ70)	FDP70 (UDR70, CPR137F)	SMA female	Copper
WCA-WR159-716F-RC01	4.64 ~ 7.05	1.20	WR159 (BJ58)	FDP58 (UDR58, CPR159F)	7/16 female	Copper
WCA-WR159-NF-RC01	4.64 ~ 7.05	1.20	WR159 (BJ58)	FDP58 (UDR58, CPR159F)	N female	Copper
WCA-WR159-SMAF-RC01	4.64 ~ 7.05	1.20	WR159 (BJ58)	FDP58 (UDR58, CPR159F)	SMA female	Copper
WCA-WR187-NF-RC01	3.94 ~ 5.99	1.20	WR187 (BJ48)	FDP48 (UDR48, CPR187F)	N female	Copper
WCA-WR187-SMAF-RC01	3.94 ~ 5.99	1.20	WR187 (BJ48)	FDP48 (UDR48, CPR187F)	SMA female	Copper
WCA-WR187-SMAM-RC01	3.94 ~ 5.99	1.20	WR187 (BJ48)	FDP48 (UDR48, CPR187F)	SMA male	Copper
WCA-WR229-NF-RC01	3.22 ~ 4.90	1.20	WR229 (BJ40)	FDP40 (UDR40, CPR229F)	N female	Copper
WCA-WR229-SMAF-RC01	3.22 ~ 4.90	1.20	WR229 (BJ40)	FDP40 (UDR40, CPR229F)	SMA female	Copper
WCA-WR284-716F-RC01	2.60 ~ 3.95	1.20	WR284 (BJ32)	FDP32 (UDR32, CPR284F)	7/16 female	Copper
WCA-WR284-NF-RC01	2.60 ~ 3.95	1.20	WR284 (BJ32)	FDP32 (UDR32, CPR284F)	N female	Copper
WCA-WR284-SMAF-RC01	2.60 ~ 3.95	1.20	WR284 (BJ32)	FDP32 (UDR32, CPR284F)	SMA female	Copper
WCA-WR340-716F-RC01	2.17 ~ 3.30	1.20	WR340 (BJ26)	FDP26 (UDR26, CPR340F)	7/16 female	Copper
WCA-WR340-NF-RC01	2.17 ~ 3.30	1.20	WR340 (BJ26)	FDP26 (UDR26, CPR340F)	N female	Copper
WCA-WR340-SMAF-RC01	2.17 ~ 3.30	1.20	WR340 (BJ26)	FDP26 (UDR26, CPR340F)	SMA female	Copper
WCA-WR430-716F-RC01	1.72 ~ 2.61	1.20	WR430 (BJ22)	FDP22 (UDR22, CPR430F)	7/16 female	Copper
WCA-WR430-NF-RC01	1.72 ~ 2.61	1.20	WR430 (BJ22)	FDP22 (UDR22, CPR430F)	N female	Copper

Waveguide to Coax Adapters - Right Angle						
Model	Frequency (GHz)	VSWR	Waveguide interface	Waveguide flange	Coax interface	Body material
WCA-WR430-SMAF-RC01	1.72 ~ 2.61	1.20	WR430 (BJ22)	FDP22 (UDR22, CPR430F)	SMA female	Copper
WCA-WR510-NF-RA01	1.45 ~ 2.20	1.20	WR510 (BJ18)	FDP18 (UDR18)	N female	Aluminum
WCA-WR650-NF-RA01	1.13 ~ 1.73	1.20	WR650 (BJ14)	PDF14 (UDR14, CPR650F)	N female	Aluminum
WCA-WR650-NF-RC01	1.13 ~ 1.73	1.20	WR650 (BJ14)	PDF14 (UDR14, CPR650F)	N female	Copper
WCA-WR770-NF-RA01	0.96 ~ 1.46	1.20	WR770 (BJ12)	FDP12 (UDR12, CPR770F)	N female	Aluminum
WCA-WR975-716F-RC01	0.75 ~ 1.15	1.20	WR975 (BJ9)	FDP9 (UD9, CPR975F)	7/16 female	Copper
WCA-WR975-NF-RC01	0.75 ~ 1.15	1.20	WR975 (BJ9)	FDP9 (UD9, CPR975F)	N female	Copper
WCA-WR1150-NF-RC01	0.64 ~ 0.98	1.30	WR1150 (BJ8)	FDP8	N female	Copper
WCA-WR1500-NF-RC01	0.49 ~ 0.75	1.30	WR1500 (BJ6)	FDP6	N female	Copper
WCA-WR2300-NF-RC01	0.32 ~ 0.49	1.30	WR2300 (BJ3)	FDP3	N female	Copper

Waveguide to Coax Adapters - End Launch

Waveguide to Coax Adapters - End Launch						
Model	Frequency (GHz)	VSWR	Waveguide interface	Waveguide flange	Coax interface	Body material
WCA-WR10-10F-EC01	73.8 ~ 110	1.55	WR10 (BJ900)	FUGP900 (UG387/UM)	1.0mm female	Copper
WCA-WR10-10M-EC01	73.8 ~ 110	1.55	WR10 (BJ900)	FUGP900 (UG387/UM)	1.0mm male	Copper
WCA-WR12-10F-EC01	60.5 ~ 91.9	1.50	WR12 (BJ740)	FUGP740 (UG387/U)	1.0mm female	Copper
WCA-WR12-10M-EC01	60.5 ~ 91.9	1.50	WR12 (BJ740)	FUGP740 (UG387/U)	1.0mm male	Copper
WCA-WR19-185F-EC01	39.2 ~ 59.6	1.40	WR19 (BJ500)	FUGP500 (UG383/UM)	1.85mm female	Copper
WCA-WR22-24F-EC01	32.9 ~ 50.0	1.30	WR22 (BJ400)	FUGP400 (UG383/U)	2.4mm female	Copper
WCA-WR28-292F-EC01	26.3 ~ 40.0	1.25	WR28 (BJ320)	FBP320 (UBR320, UG599/U)	2.92mm female	Copper
WCA-WR34-24F-EC01	21.7 ~ 33.0	1.20	WR34 (BJ260)	FBP260 (UBR260)	2.4mm female	Copper
WCA-WR34-292F-EC01	21.7 ~ 33.0	1.20	WR34 (BJ260)	FBP260 (UBR260)	2.92mm female	Copper
WCA-WR42-292F-EC01	17.6 ~ 26.7	1.20	WR42 (BJ220)	FBP220 (UBR220, UG595/U)	2.92mm female	Copper
WCA-WR42-SMAF-EC01	17.6 ~ 26.5	1.20	WR42 (BJ220)	FBP220 (UBR220, UG595/U)	SMA female	Copper
WCA-WR51-292F-EC01	14.5 ~ 22.0	1.20	WR51 (BJ180)	FBP180 (UBR180)	2.92mm female	Copper
WCA-WR51-SMAF-EC01	14.5 ~ 22.0	1.20	WR51 (BJ180)	FBP180 (UBR180)	SMA female	Copper
WCA-WR62-NF-EC01	11.9 ~ 18.0	1.20	WR62 (BJ140)	FBP140 (UBR140, UG419/U)	N female	Copper
WCA-WR62-SMAF-EC01	11.9 ~ 18.0	1.20	WR62 (BJ140)	FBP140 (UBR140, UG419/U)	SMA female	Copper
WCA-WR75-NF-EC01	9.84 ~ 15.0	1.20	WR75 (BJ120)	FBP120 (UBR120)	N female	Copper
WCA-WR75-SMAF-EC01	9.84 ~ 15.0	1.20	WR75 (BJ120)	FBP120 (UBR120)	SMA female	Copper
WCA-WR90-NF-EC01	8.20 ~ 12.5	1.20	WR90 (BJ100)	FBP100 (UBR100, UG39/U)	N female	Copper

Waveguide to Coax Adapters - End Launch						
Model	Frequency (GHz)	VSWR	Waveguide interface	Waveguide flange	Coax interface	Body material
WCA-WR90-SMAF-EC01	8.20 ~ 12.5	1.20	WR90 (BJ100)	FBP100 (UBR100, UG39/U)	SMA female	Copper
WCA-WR112-NF-EC01	6.57 ~ 9.99	1.20	WR112 (BJ84)	FBP84 (UBR84, UG51/U)	N female	Copper
WCA-WR112-NF-EC02	6.57 ~ 9.99	1.20	WR112 (BJ84)	FDP84 (UDR84, CPR112F)	N female	Copper
WCA-WR112-NF-EC03	6.57 ~ 9.99	1.20	WR112 (BJ84)	FDM84 (PDR84, CPR112G)	N female	Copper
WCA-WR112-SMAF-EC01	6.57 ~ 9.99	1.20	WR112 (BJ84)	FBP84 (UBR84, UG51/U)	SMA female	Copper
WCA-WR137-NF-EC01	5.38 ~ 8.17	1.25	WR137 (BJ70)	FDP70 (UDR70, CPR137F)	N female	Copper
WCA-WR137-SMAF-EC01	5.38 ~ 8.17	1.25	WR137 (BJ70)	FDP70 (UDR70, CPR137F)	SMA female	Copper
WCA-WR159-NF-EC01	4.64 ~ 7.05	1.20	WR159 (BJ58)	FDP58 (UDR58, CPR159F)	N female	Copper
WCA-WR159-SMAF-EC01	4.64 ~ 7.05	1.20	WR159 (BJ58)	FDP58 (UDR58, CPR159F)	SMA female	Copper
WCA-WR187-NF-EC01	3.94 ~ 5.99	1.20	WR187 (BJ48)	FDP48 (UDR48, CPR187F)	N female	Copper
WCA-WR187-SMAF-EC01	3.94 ~ 5.99	1.20	WR187 (BJ48)	FDP48 (UDR48, CPR187F)	SMA female	Copper

Double Ridge Waveguide to Coax Adapters

Double Ridge Waveguide to Coax Adapters						
Model	Frequency (GHz)	VSWR	Waveguide interface	Waveguide flange	Coax interface	Body material
WCA-WRD1800-292F-RC01	18.0 ~ 40.0	1.35	WRD1800	FPWRD1800	2.92mm female	Copper
WCA-WRD500-NF-RC01	5.00 ~ 18.0	1.35	WRD500	FPWRD500	N female	Copper
WCA-WRD500-SMAF-RC01	5.00 ~ 18.0	1.35	WRD500	FPWRD500	SMA female	Copper
WCA-WRD650-NF-RC01	6.00 ~ 18.0	1.30	WRD650	FPWRD650	N female	Copper
WCA-WRD650-SMAF-RC01	6.00 ~ 18.0	1.30	WRD650	FPWRD650	SMA female	Copper
WCA-WRD750-NF-RC01	7.50 ~ 18.0	1.35	WRD750	FPWRD750	N female	Copper
WCA-WRD750-SMAF-RC01	7.50 ~ 18.0	1.35	WRD750	FPWRD750	SMA female	Copper
WCA-WRD580-SMAF-RC01	5.80 ~ 16.0	1.35	WRD580	FPWRD580	SMA female	Copper
WCA-WRD350-NF-RC01	3.50 ~ 8.20	1.35	WRD350	FPWRD350	N female	Copper
WCA-WRD350-716F-RC01	3.50 ~ 6.00	1.35	WRD350	FPWRD350	7/16 female	Copper
WCA-WRD250-NF-RC01	2.50 ~ 8.00	1.35	WRD250	FPWRD250	N female	Copper

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