

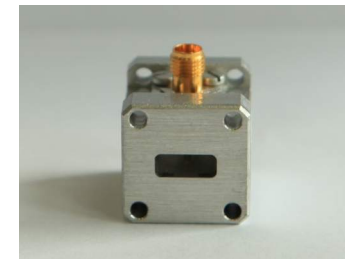
Coaxial–Waveguide Adapter Specifications (Full Waveguide Bands)

	R48	R70	R84	R100	R120	R140	R220
Electrical Specifications							
Operating Frequency Range	3.900–6.000 GHz	5.400–8.200 GHz	6.600–10.000 GHz	8.200–12.500 GHz	9.800–15.000 GHz	11.900–18.000 GHz	17.600–26.700 GHz
Insertion Loss	0.4 dB	0.4 dB	0.4 dB	0.4 dB	0.4 dB	0.4 dB	0.4 dB
Return Loss	–17 dB	–17 dB	–17 dB	–17 dB	–17 dB	–17 dB	–17 dB
Coaxial Cable Connector Type ¹	N	N	N	SMA	SMA	SMA	SMA
Waveguide Flange Type ²	PDR/UDR	PDR/UDR	PDR/UDR/PBR/UBR	UDR/UBR	UDR/UBR	UDR/UBR	UBR
<small>¹ Other connector types are available upon request. ² Other flange types are available upon request (e.g. American Standard CPR/UG).</small>							

	R48	R70	R84	R100	R120	R140	R220
Mechanical Specifications							
Net Weight ³	0.3 kg	0.2 kg	0.2 kg	0.2 kg	0.1 kg	0.1 kg	0.1 kg
Material	Aluminium / Brass	Aluminium / Brass	Aluminium / Brass	Aluminium / Brass	Aluminium / Brass	Aluminium / Brass	Aluminium / Brass
<small>³ Approximate value (net weight depends on the required coaxial cable connector and waveguide flange).</small>							

	R260	R320
Electrical Specifications		
Operating Frequency Range	21.700–33.000 GHz	26.400–40.000 GHz
Insertion Loss	0.4 dB	0.4 dB
Return Loss	–14 dB	–14 dB
Coaxial Cable Connector Type ¹	K (2.92 mm)	K (2.92 mm)
Waveguide Flange Type ²	UBR	UBR
<small>¹ Other connector types are available upon request. ² Other flange types are available upon request (e.g. American Standard CPR/UG). Custom design is possible.</small>		

	R260	R320
Mechanical Specifications		
Net Weight ³	0.1 kg	0.1 kg
Material	Aluminium / Brass	Aluminium / Brass
<small>³ Approximate value (net weight depends on the required coaxial cable connector and waveguide flange).</small>		



R220 Adapter



R320 Adapter



Coaxial–Waveguide Adapter Specifications (Typical Terrestrial Microwave Bands)

	R48	R70	R84	R100	R120	R140	R220
Electrical Specifications							
Operating Frequency Band	4 GHz	6L–6U GHz	7–8 GHz	10–11 GHz	13 GHz	13–15 GHz	18–23 GHz
Operating Frequency Range	4.400–5.000 GHz	5.925–7.125 GHz	7.125–8.500 GHz	10.000–11.700 GHz	12.750–13.250 GHz	12.750–15.350 GHz	17.700–23.600 GHz
Insertion Loss	0.4 dB	0.4 dB	0.4 dB	0.4 dB	0.4 dB	0.4 dB	0.4 dB
Return Loss	–20 dB	–20 dB	–20 dB	–20 dB	–20 dB	–20 dB	–20 dB
Coaxial Cable Connector Type ¹	N	N	N	SMA	SMA	SMA	SMA
Waveguide Flange Type ²	PDR/UDR	PDR/UDR	PDR/UDR/PBR/UBR	UDR/UBR	UDR/UBR	UDR/UBR	UBR

¹ Other connector types are available upon request.

² Other flange types are available upon request (e.g. American Standard CPR/UG).

Mechanical Specifications

Net Weight ³	0.3 kg	0.2 kg	0.2 kg	0.2 kg	0.1 kg	0.1 kg	0.1 kg
Material	Aluminium / Brass	Aluminium / Brass	Aluminium / Brass	Aluminium / Brass	Aluminium / Brass	Aluminium / Brass	Aluminium / Brass

³ Approximate value (net weight depends on the required coaxial cable connector and waveguide flange).

	R260	R320	R320	R320	R400/R500
Electrical Specifications					
Operating Frequency Band	26–28GHz	28GHz	32 GHz	38 GHz	42 GHz
Operating Frequency Range	24.500–29.500 GHz	27.500–29.500 GHz	31.000–33.400 GHz	37.000–39.500 GHz	40.500–43.500 GHz
Insertion Loss	0.4 dB	0.4 dB	0.4 dB	0.4 dB	0.4 dB
Return Loss	–17 dB	–17 dB	–17 dB	–17 dB	–14 dB
Coaxial Cable Connector Type ¹	K (2.92 mm)	K (2.92 mm)	K (2.92 mm)	K (2.92 mm)	2.4 mm
Waveguide Flange Type ²	UBR	UBR	UBR	UBR	Upon Customer's Request

¹ Other connector types are available upon request.

² Other flange types are available upon request (e.g. American Standard CPR/UG). Custom design is possible.

Mechanical Specifications

Net Weight ³	0.1 kg	0.1 kg	0.1 kg	0.1 kg	0.1 kg
Material	Aluminium / Brass	Aluminium / Brass	Aluminium / Brass	Aluminium / Brass	Aluminium / Brass

³ Approximate value (net weight depends on the required coaxial cable connector and waveguide flange).



Custom Flanged 42 GHz (R500) Adapter