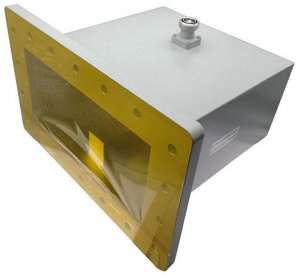
AWR975D

WR975 to DIN 7/16 Female Waveguide to Coaxial Adapter
UDR9 Flange, Right Angle



Rev 5

Electrical

Frequency Range	0.76-1.15 GHz
VSWR	1.25 max
Average Power	2000 Watts

Configuration

Waveguide Size	IEC	R9
	EIA	WR975
Flange	IEC	UDR9
	North America	CPR975F
Coax Connector	DIN 7/16 Female	
Body Geometry	Right Angle	

Mechanical & Environmental

Waveguide Body	Aluminum, conductive oxidation, anti-corrosive paint
Connector Body	Ternary alloy plated brass
Center Contact	Silver plated beryllium copper
Operating Temperature	-40℃ to +85℃
Connector Interface	IEC 61169-4
RoHS	Compliant under exemptions 6 (b) or 6 (c)
Net Weight	Approx 6kg

Note

* Flange size may not be 100% identical with the above listed standards, but are compatible. Refer to the next page for comparison table.

* Paint in grey or black by default, other colors available.

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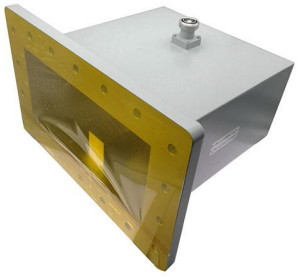

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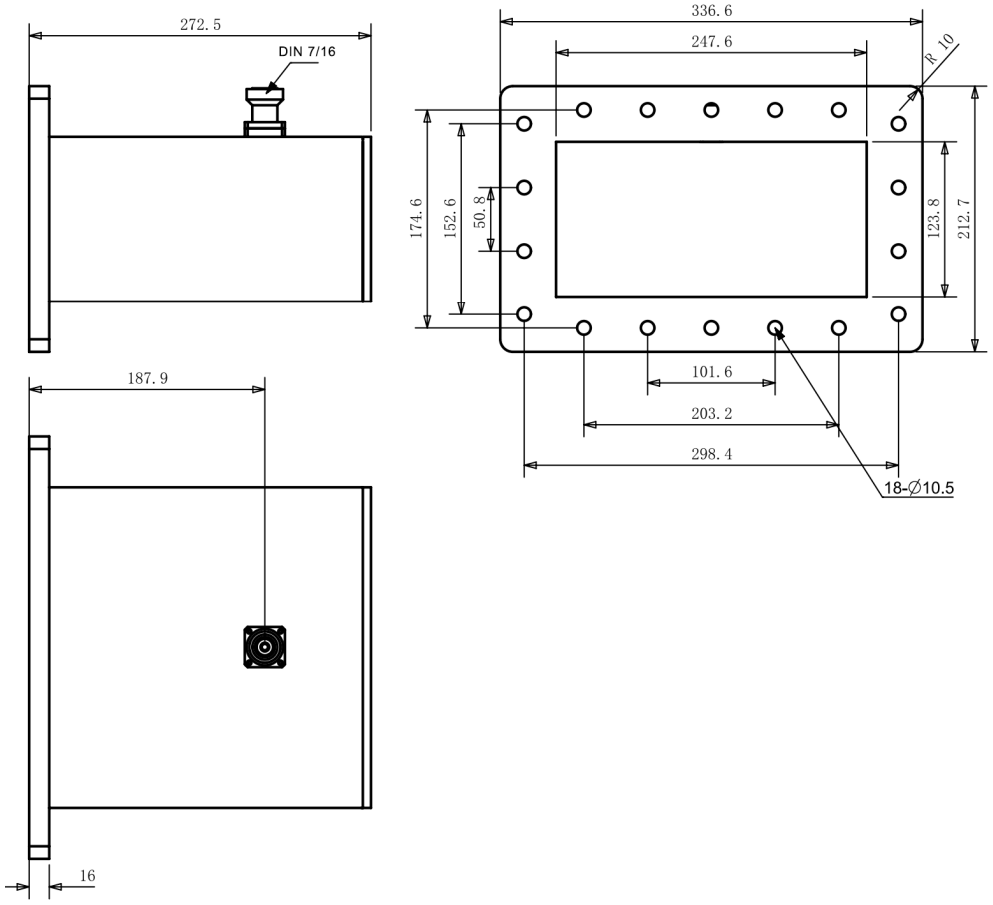
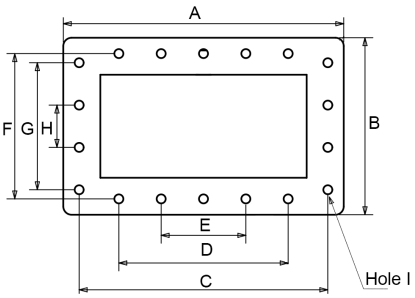
Dimensions(mm)



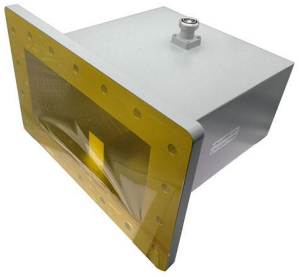
Flange Comparison (mm)



* The purpose of this comparison is to provide a quick reference of different flange standards. Great care has been given, nevertheless there might be a few mistakes.
* Please check the flange compatibility before ordering. Customized flanges are available.

WG SIZE	CONFORMING STANDARD	A	B	C	D	E	F	G	H	I
WR975	RF ONE:AWR975D	336.6	212.7	298.4	203.2	101.6	174.6	152.6	50.8	10.5
	IEC60154:UDR9	336.55	212.73	298.44	203.2	101.6	174.6	152.6	50.8	10.4
	USA:CPR 975F	336.55	212.73	298.44	203.2	101.6	174.6	152.6	50.8	10.3

AWR975D



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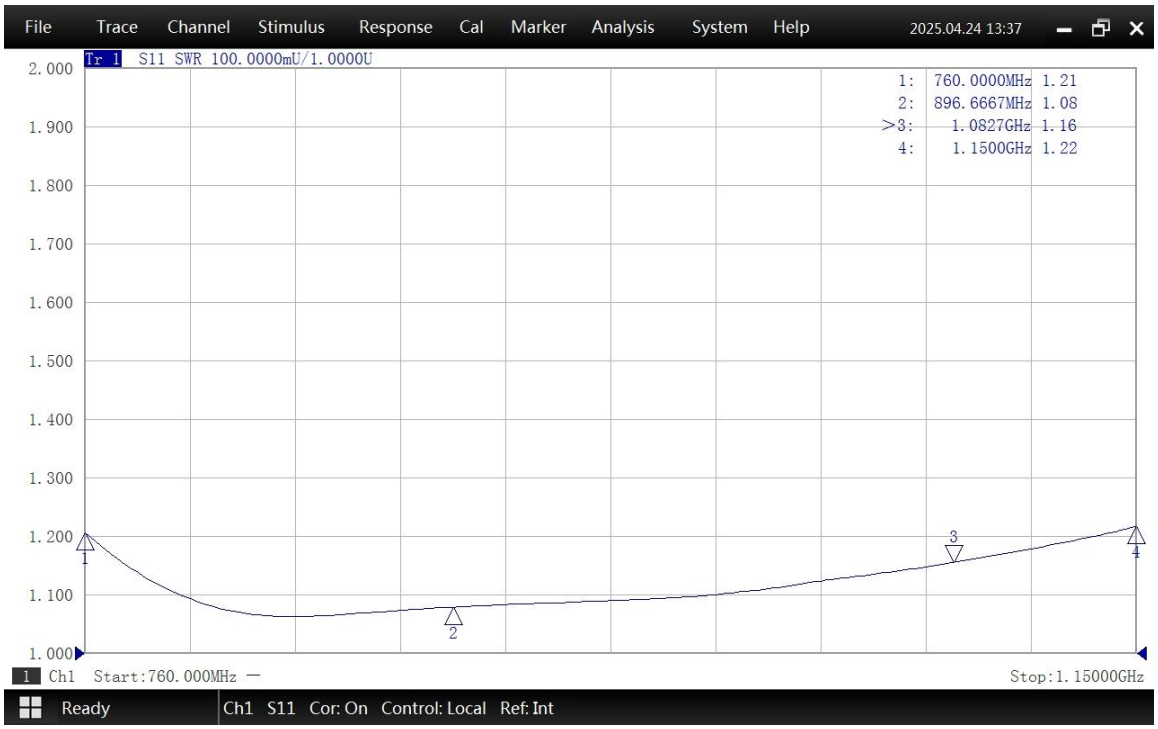
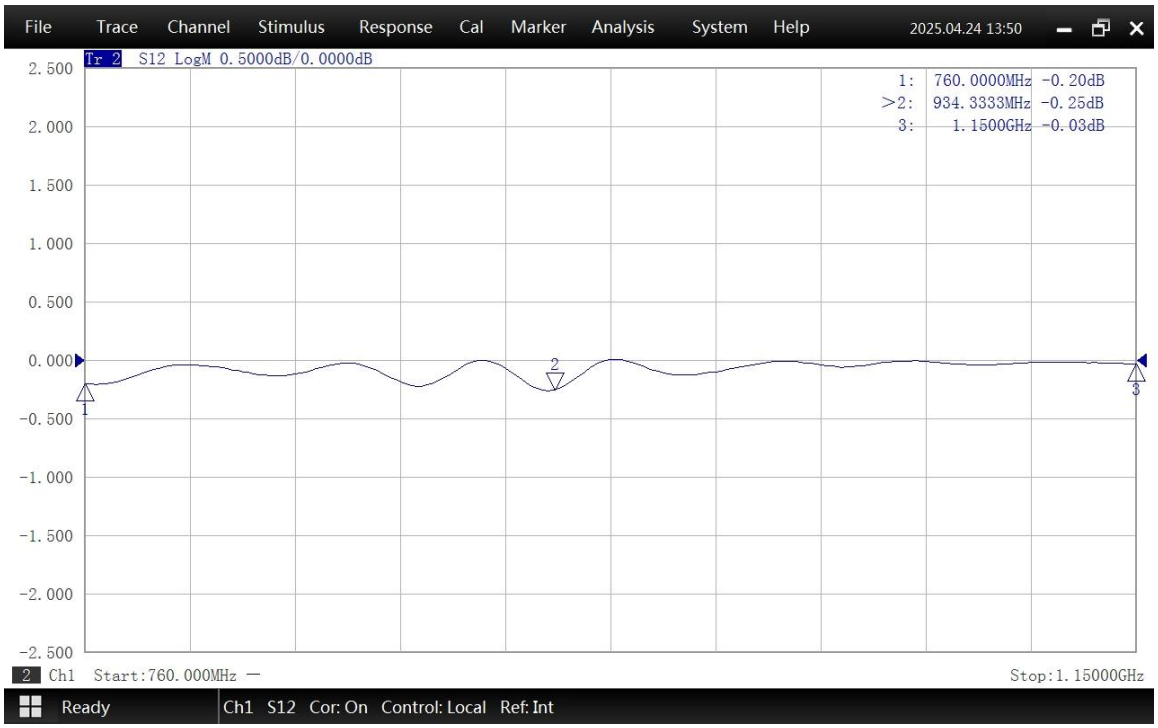
Typical Test Data at 25℃



VSWR



Insertion Loss*

* In Insertion Loss (IL) testing, adapters are measured back-to-back. To obtain the loss of a single adapter, divide the measured value by two.