

**WR159 to SMA Female Waveguide to Coaxial Adapter  
PDR58 Flange, End Launch**
**Electrical**

Frequency Range	4.64-7.05 GHz
VSWR	1.2 max

**Configuration**

Waveguide Size	IEC	R58
	EIA	WR137
Flange	IEC	PDR58
	North America	M3922/52-038(UG1355/U) CPR159G
Coax Connector	SMA Female	
Body Geometry	End Launch	

**Mechanical & Environmental**

Waveguide Body	Aluminum, conductive oxidation, anti-corrosive paint
Connector Body	Passivated stainless steel
Center Contact	Gold plated beryllium copper
Operating Temperature	-40°C to +85°C
Connector Interface	MIL-STD-348
RoHS	Compliant under exemptions 6 (b) or 6 (c)
Net Weight	Approx 220g

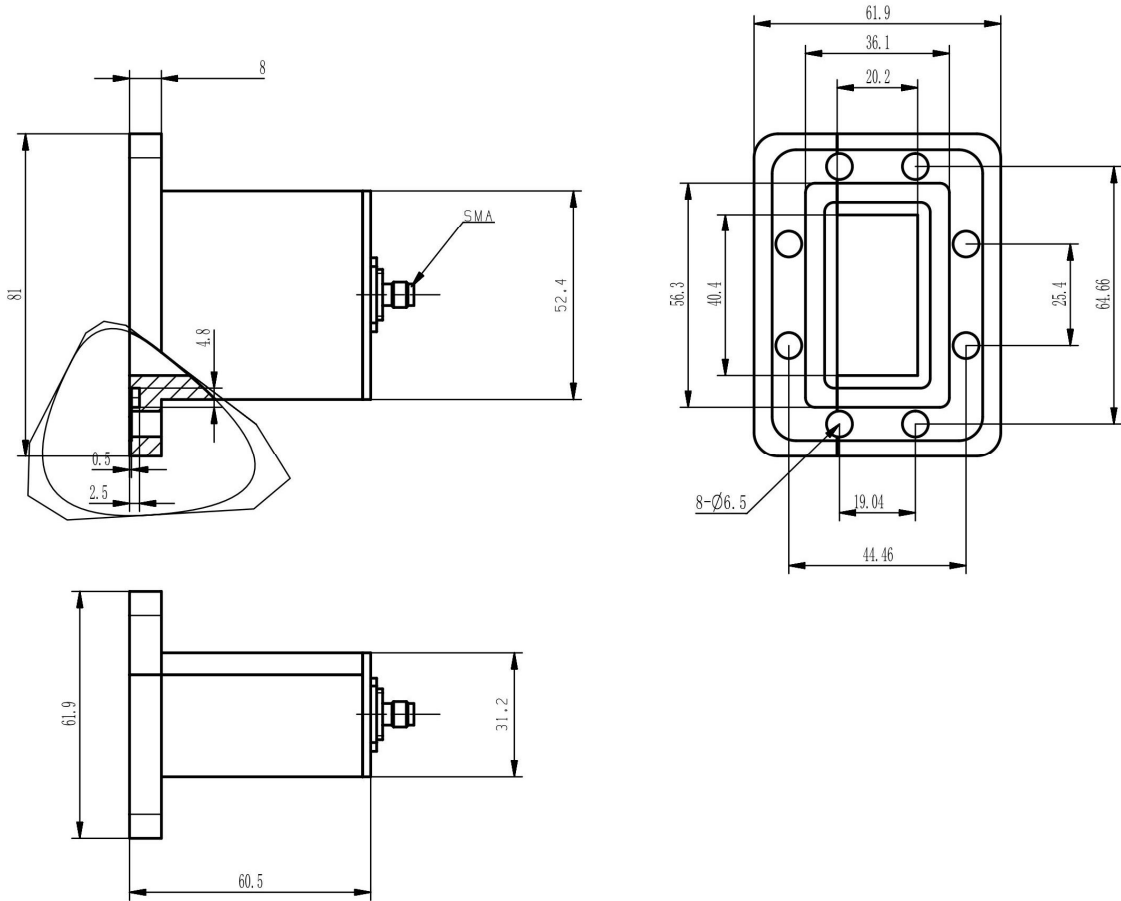
**Note**

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

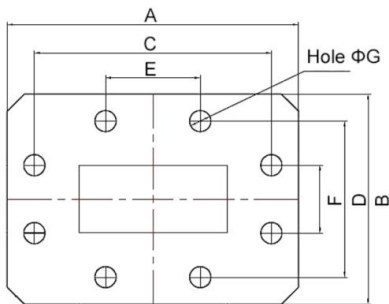
\* Paint in grey or black by default, other colors available.

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**Dimensions(mm)**



**Flange Comparison (mm)**



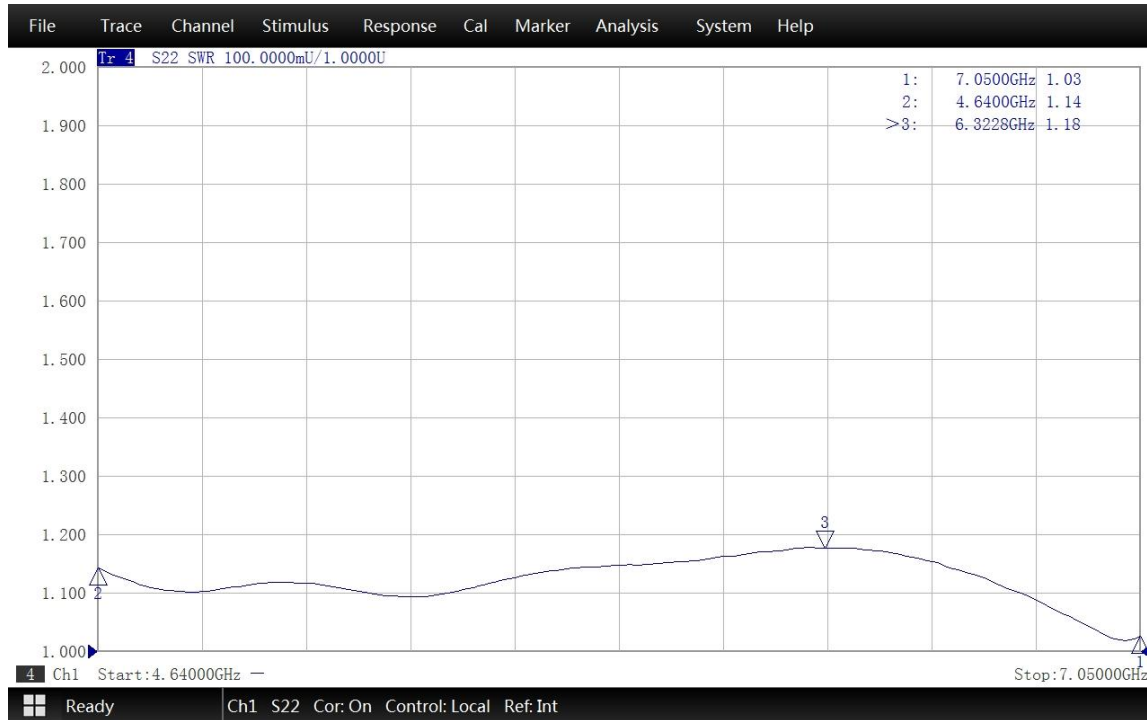
\* The purpose of this comparison is to provide a quick reference of different flange standards. Great care has been given, nevertheless there might be a few mistakes.

\* Please check the flange compatibility before ordering. Customized flanges are available.

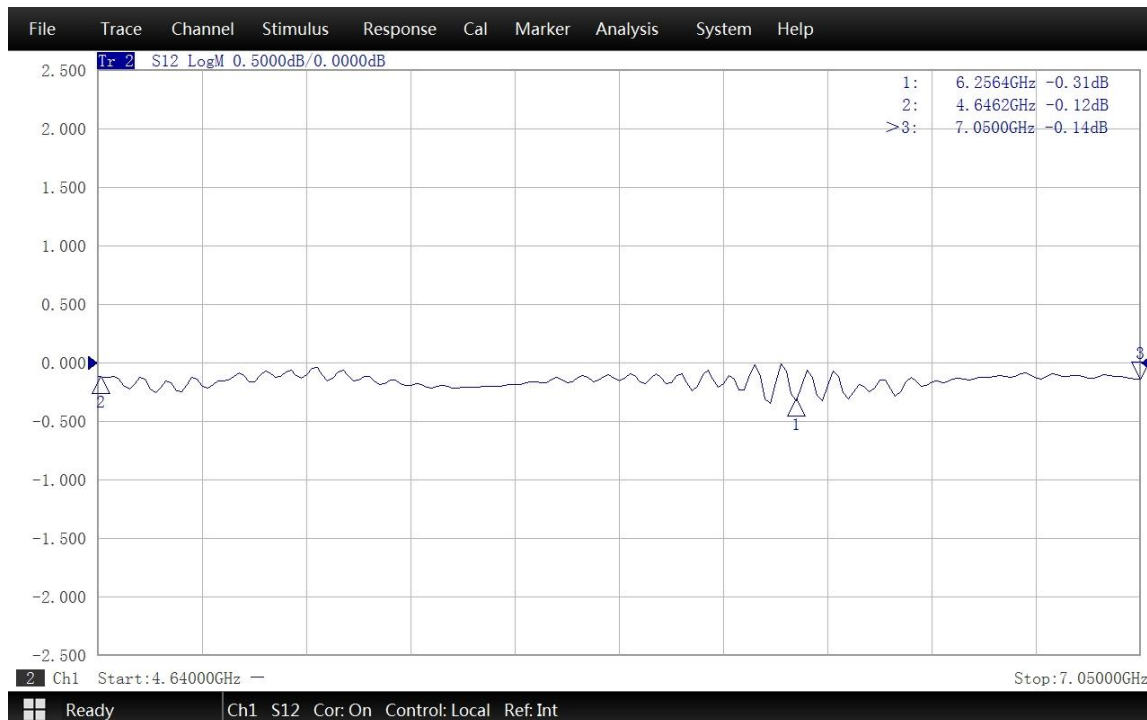
WG SIZE	CONFORMING STANDARD	A	B	C	D	E	F	G
WR159	RF ONE:AWR159SMAELG	81	61.9	64.66	44.46	25.4	19.04	6.5
	IEC60154:PDR58	81	61.9	64.66	44.46	25.4	19.04	6.35
	USA:MIL3922/52-038(UG1355/U)	81.03	61.98	64.66	44.44	25.4	19.04	6.53
	USA:CPR 159G	80.95	61.91	64.66	44.46	25.4	19.04	6.53

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**Typical Test Data at 25°C**



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.