



**Waveguide Broadwall Directional Coupler**

**WDC51SF-50**

**50dB, WR51, 14.5-22 GHz, Square Cover Flange, SMA Female Coupled Port**

Rev 1

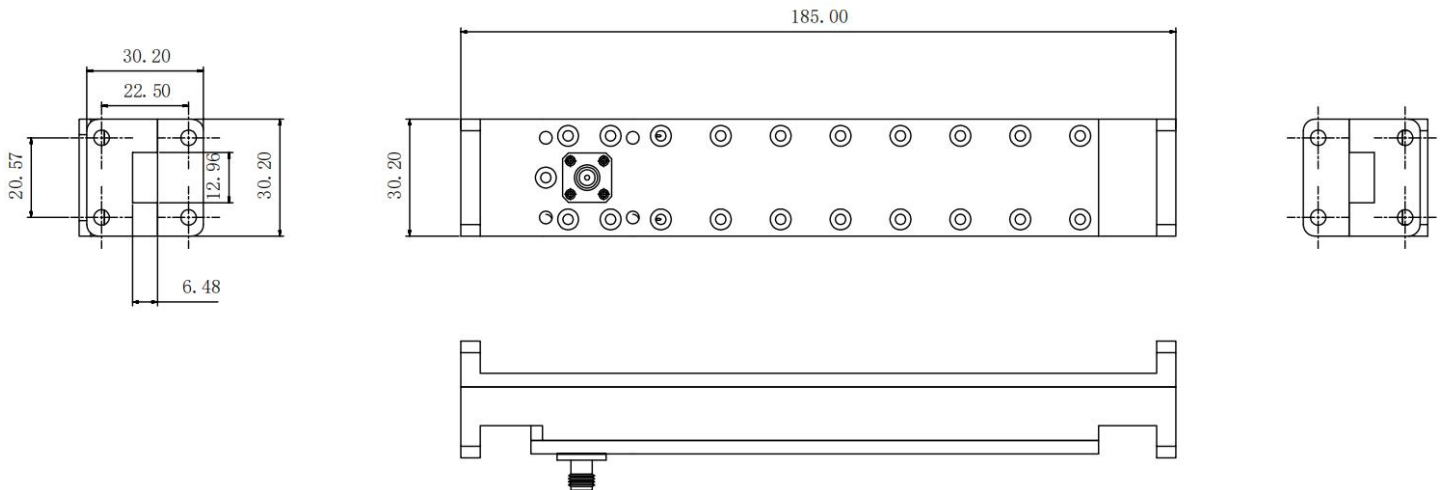
**Electrical**

<b>Frequency Range</b>	14.5-22 GHz
<b>VSWR</b>	1.10 max(Main line), 1.25 max (Secondary line)
<b>Coupling</b>	50 ± 1.0 dB
<b>Directivity</b>	30 dB min
<b>Operating Temperature</b>	-40 °C ~ +70 °C

**Mechanical**

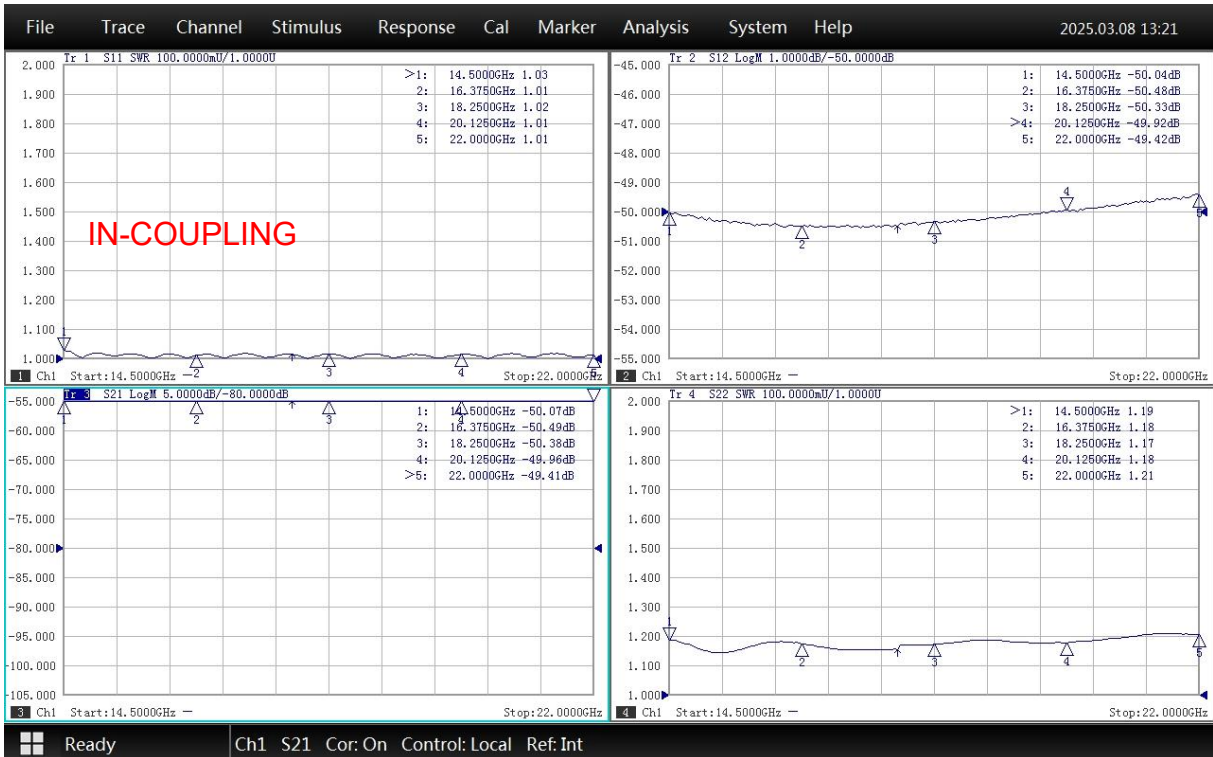
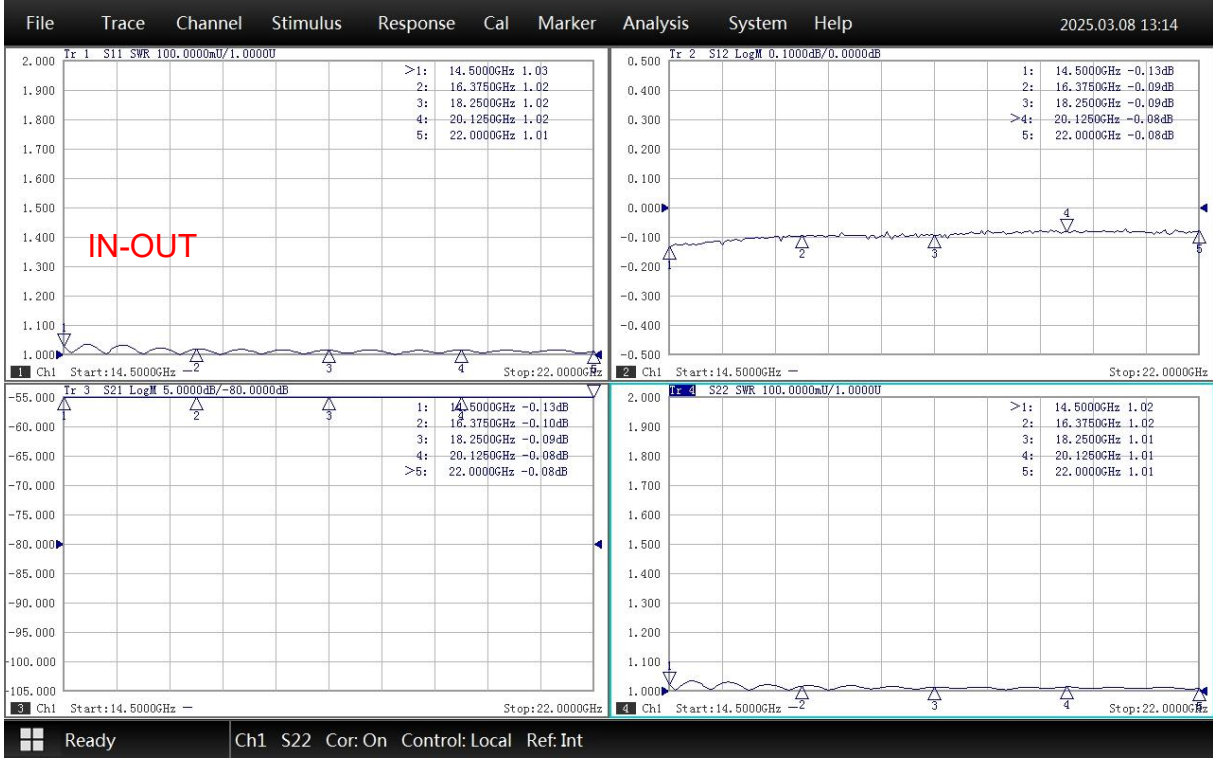
<b>Waveguide Size</b>	WR51(R180)
<b>Flange Type</b>	IEC: UBR180
<b>Flange Material and plating</b>	Aluminum, Conductive oxidation
<b>Body Material and Plating</b>	Aluminum, Painted
<b>Coupled Port</b>	SMA Female
<b>Net Weight</b>	Approx 250g

**Dimensions(mm)**





Typical Test Data





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