

Directional Coupler SMA Type Female 1 to 4GHz 20dB



RoHS Compliant

Part Number: AT30D-TE0104-20-AF

Page 1 of 4

Electrical Specification

Parameter	Unit	Specification
Frequency Range	GHz	1 ~ 4
Insertion Loss	dB	±0.4 (Excluded Coupling Loss 0.04dB)
Coupling	dB	20
Accuracy	dB	±1.0
Directivity	dB	≥20
Frequency Sensitivity	dB	≤±0.7
VSWR	:1	1.20
Input Power	W	50
Peak Power	kW	1

Mechanical Specification

Parameter	Unit	Specification
Connectors	-	SMA Type Female all ports
Operating Temperature	°C	-55 ~ +85
Storage Temperature	°C	-55 ~ +100

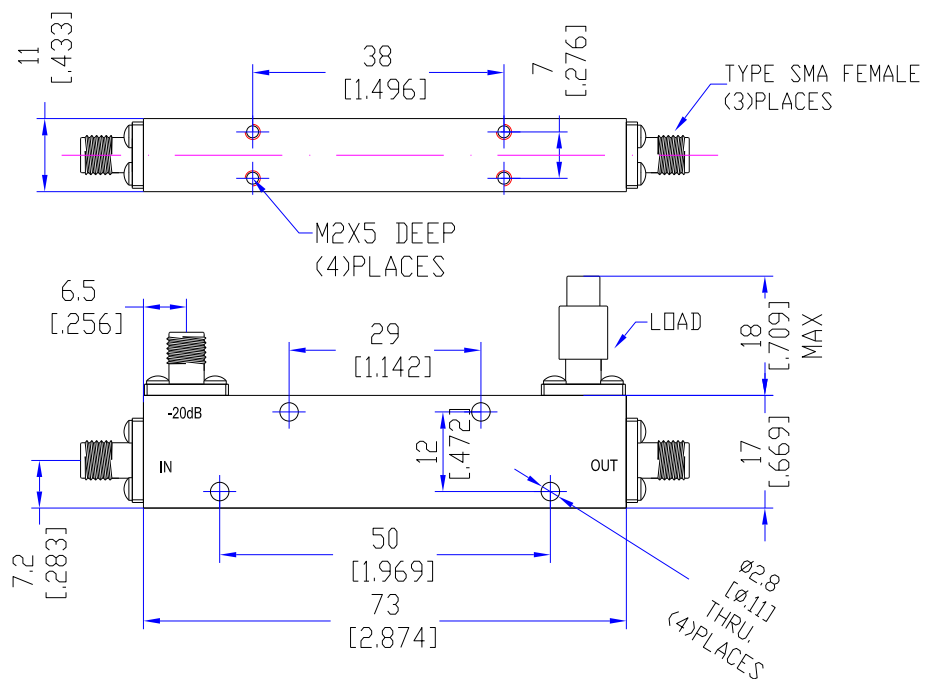
Features and Applications

The AT30D-TE series of directional couplers cover the frequency range 0.5 to 18GHz. Designed using broadband stripline technology they exhibit low insertion loss, high directivity and high power handling.

Fitted with SMA connectors, these broadband directional couplers are used in EW, radar, and communications applications when sampling and monitoring signals, or as test equipment in measurement systems.

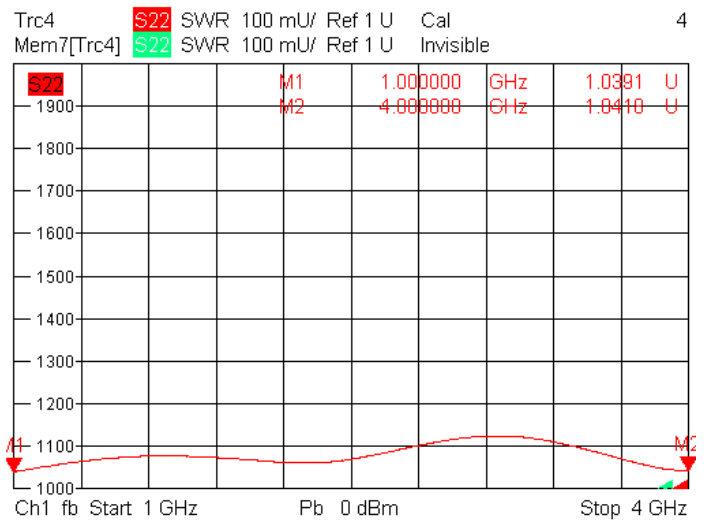
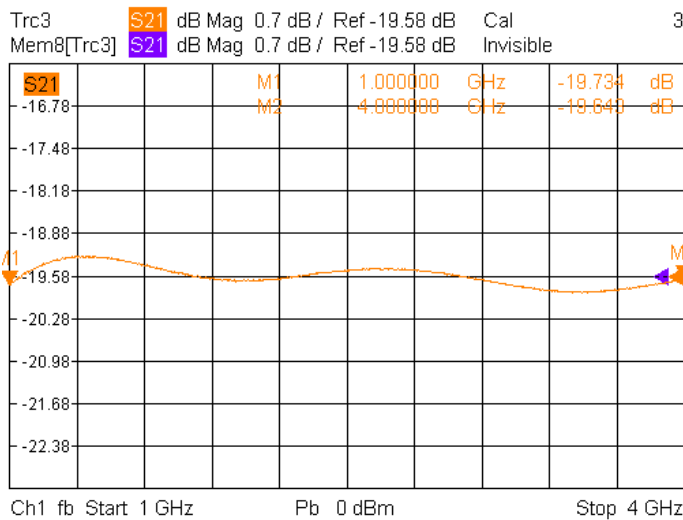
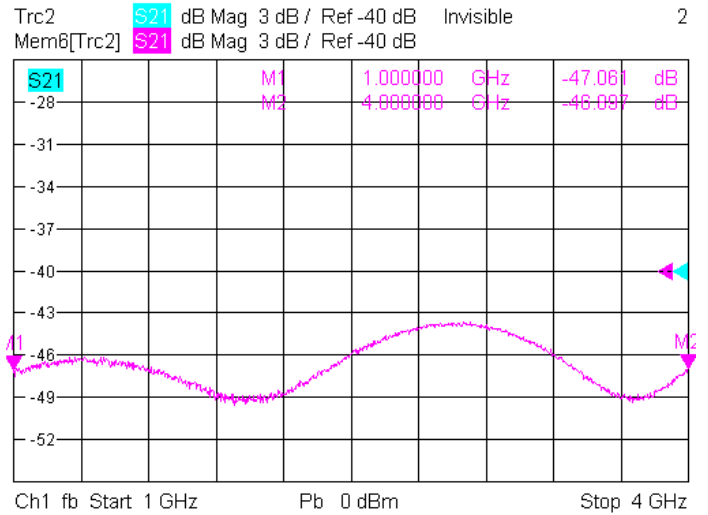
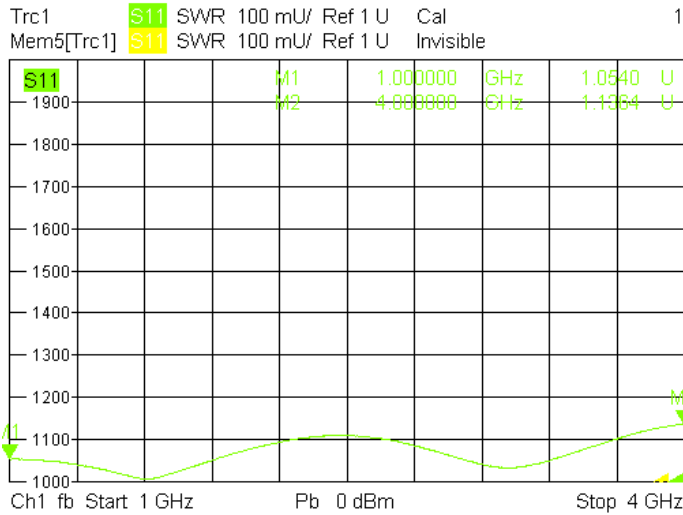
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Dimensions Units: mm (inches)



22/07/2022

Test Plots 01



10/27/2021, 10:51 AM

22/07/2022

S21
 M1
 M2
 1.000000 GHz -0.1697 dB
 4.000000 GHz -0.3148 dB

10/27/2021, 10:52 AM

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