



ANATECH ELECTRONICS, INC.

Manufacturer of RF & Microwave Products

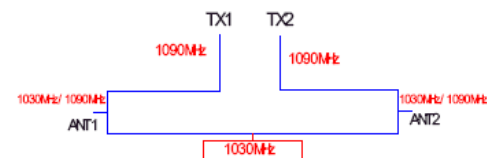
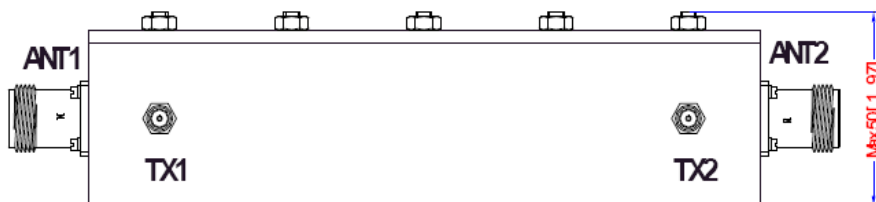
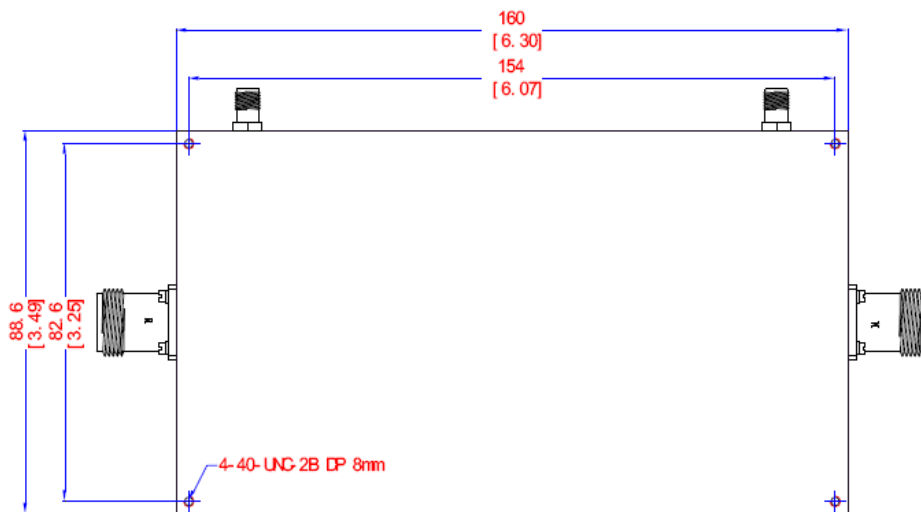


1025 ~ 1035MHz / 1085 ~ 1095MHz Dual Duplexer

Part Number: AD1030-1090D418

	ANT1—ANT2	ANT1—Tx1	ANT2—Tx2
Frequency Range:	1025 ~ 1035MHz	1085 ~ 1095MHz	1085 ~ 1095MHz
Insertion Loss:	$\leq 1.2\text{dB}$	$\leq 0.7\text{dB}$	$\leq 0.7\text{dB}$
Return Loss:	$\geq 18\text{dB}$	$\geq 18\text{dB}$	$\geq 18\text{dB}$
Isolation:	$\geq 60\text{dB}$ @ From port-ANT1 to port-TX2, From port-ANT2 to port-TX1		
Power:	50W(AVG), 3.5kw(Max peak power, Maximum pulse width= 50uS)		
Operating temperature:	-40 to +80 deg C		
Surface Finish:	Black		
Port Connectors:	N-Female (50 Ω), SMA-Female (50 Ω)		
Port Sign:	Port 1: ANT1 ; Port 2: ANT2 ; Port 3:Tx1 ; Port 4: Tx2 ;		
Size Tolerance:	As Below($\pm 0.3\text{mm}$)		

Outline Drawing:





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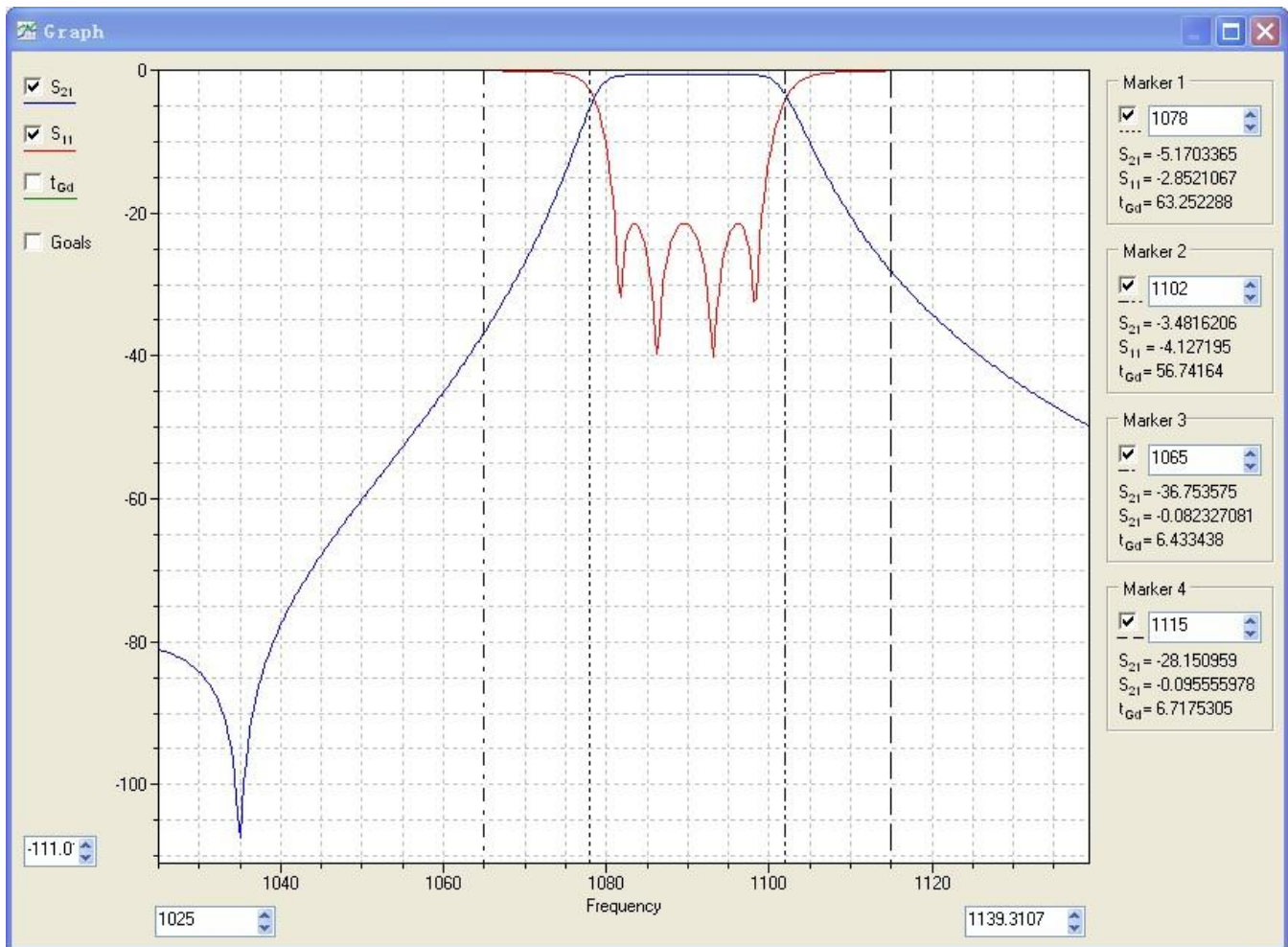
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Part Number: AD1030-1090D418

ANT1-TX1,ANT2-TX2(Attenuation at 1078MHz/1102MHz/1065MHz/1115MHz):





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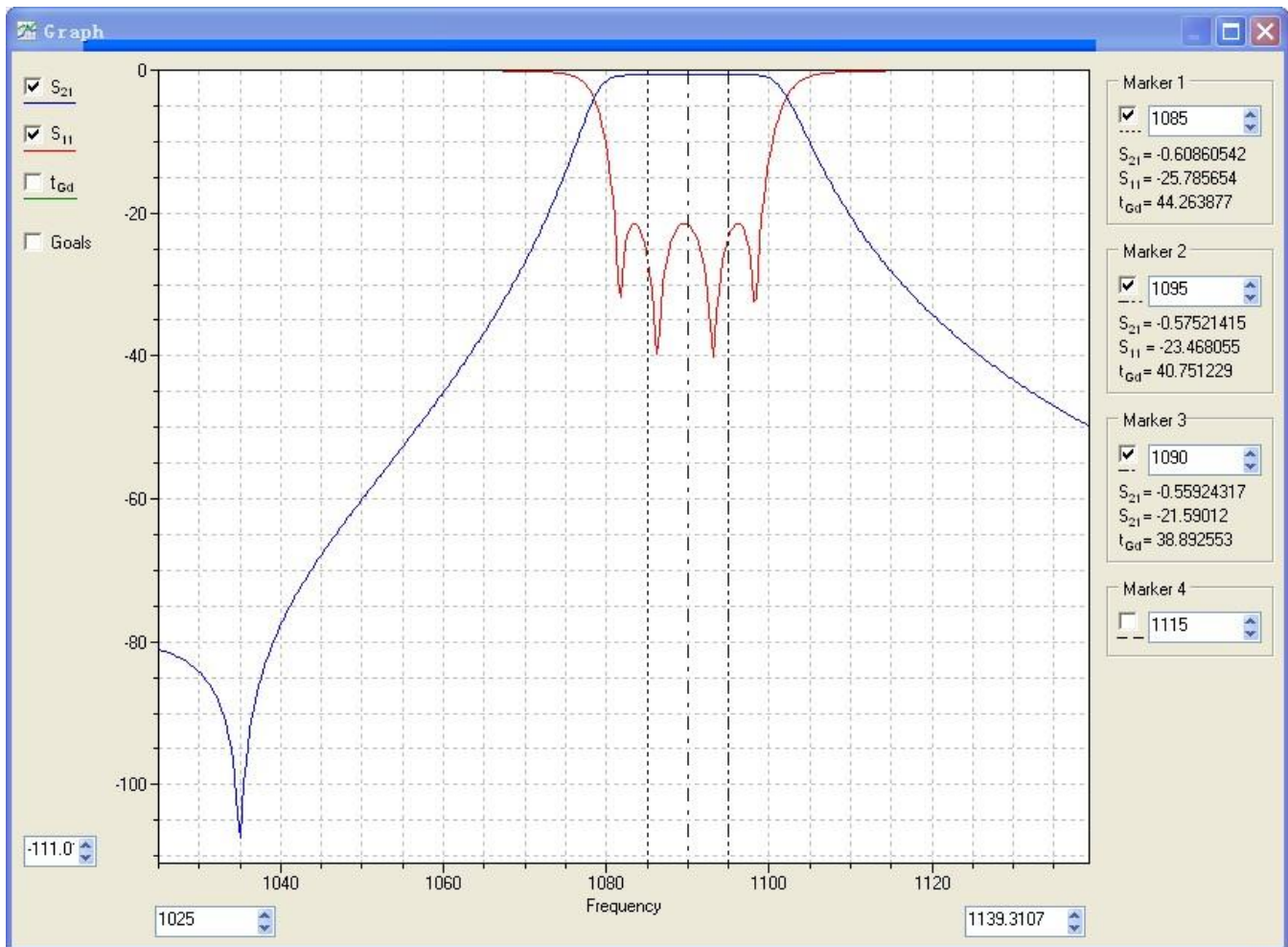
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1025 ~ 1035MHz / 1085 ~ 1095MHz Dual Duplexer

Part Number: AD1030-1090D418

ANT1-TX1,ANT2-TX2(Attenuation at 1090MHz and the two paths):





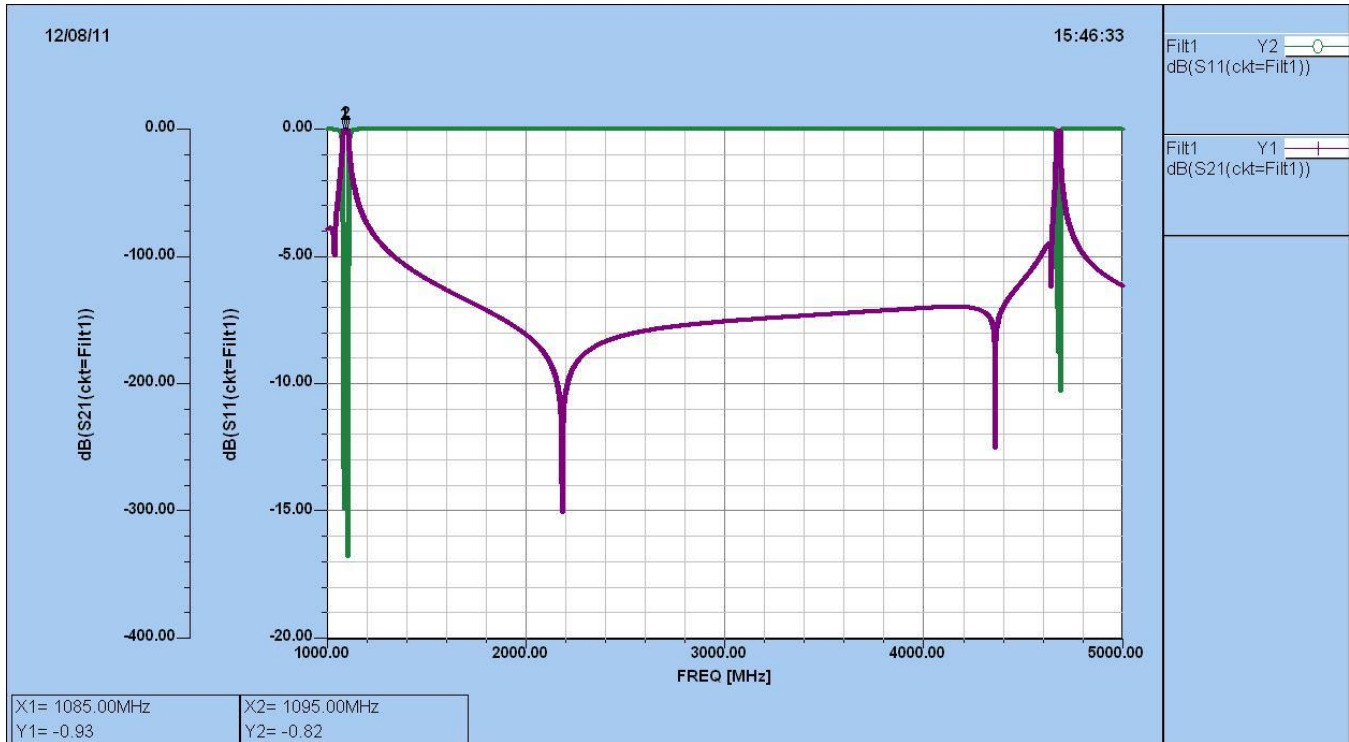
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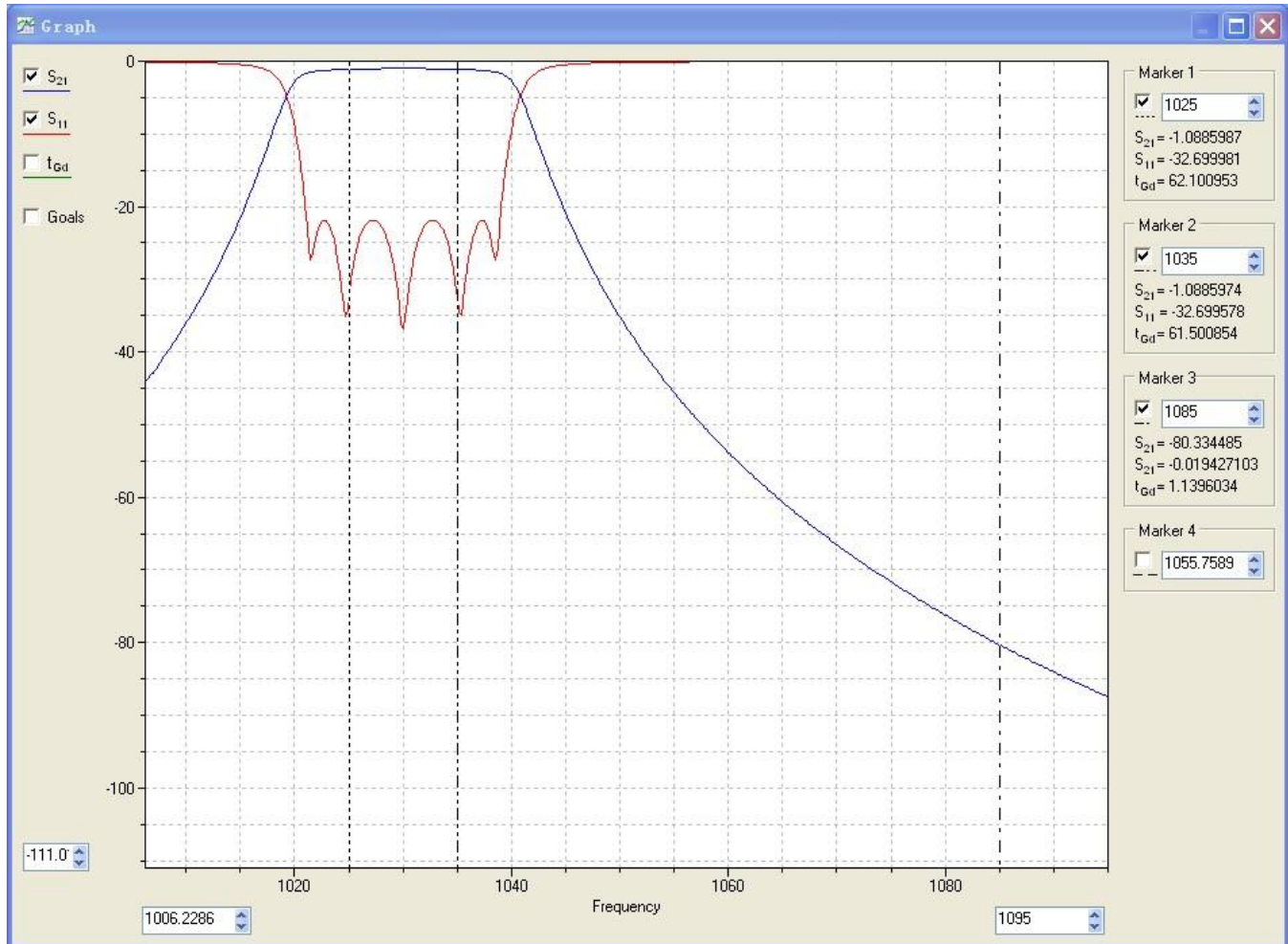
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ANT1-ANT2:





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