

Directional Coupler

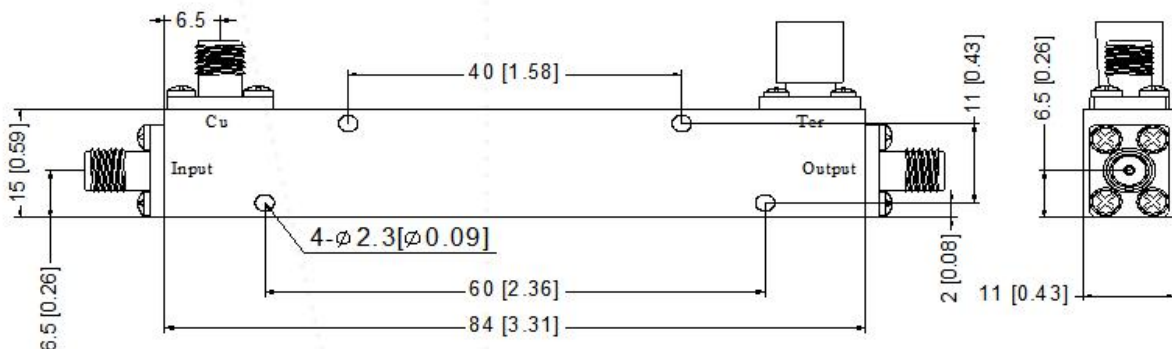
P/N: ZSDC-10400-10K



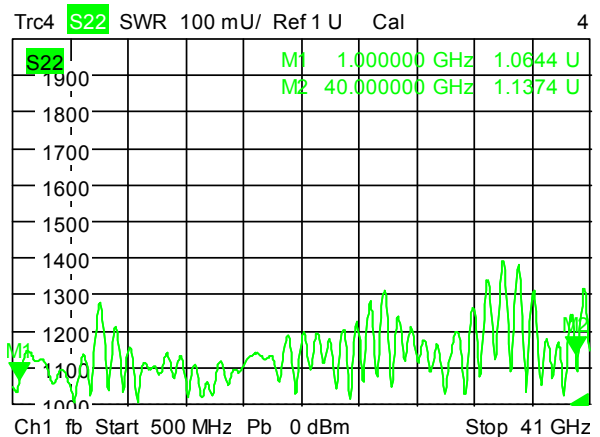
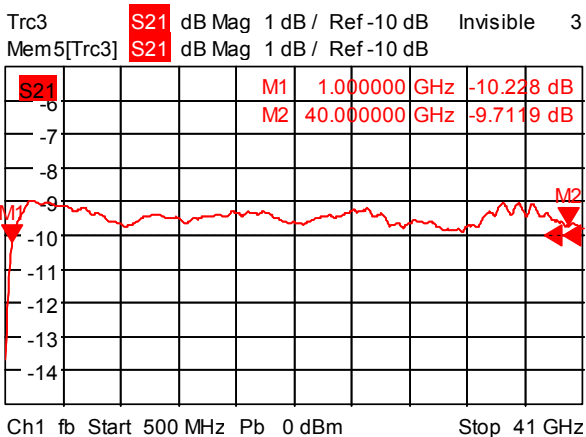
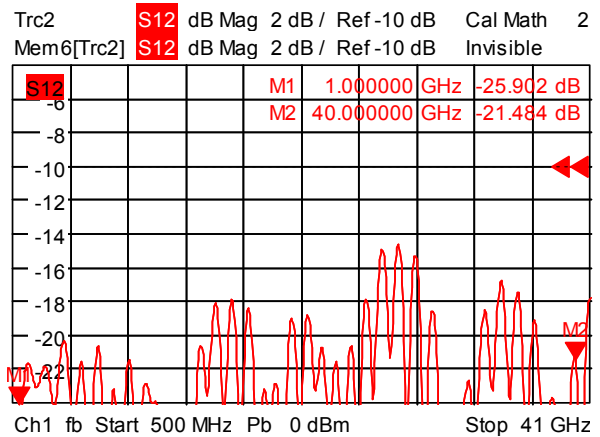
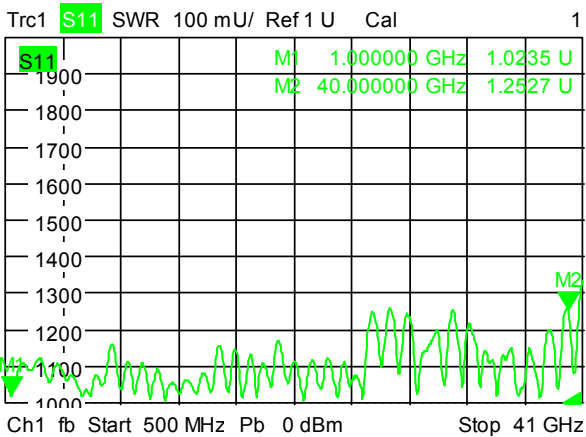
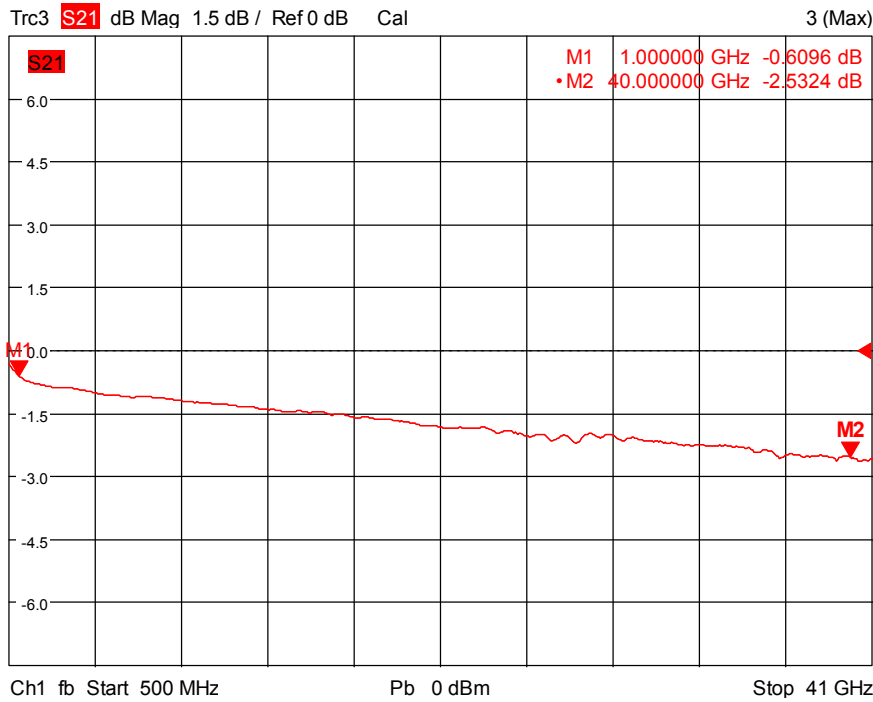
1. Electrical Specifications

Frequency Range	1 – 40GHz
Coupling	10±1.0dB
Frequency Sensitivity	±1.0dB max
Directivity	10dB min
Insertion Loss	2.5dB max
VSWR	1.7 max
Impedance	50Ω
Power Handling	20W
Connectors	2.92mm-Female
Operating Temperature	-40°C ~ +70°C
Storage Temperature	-55°C ~ +85°C

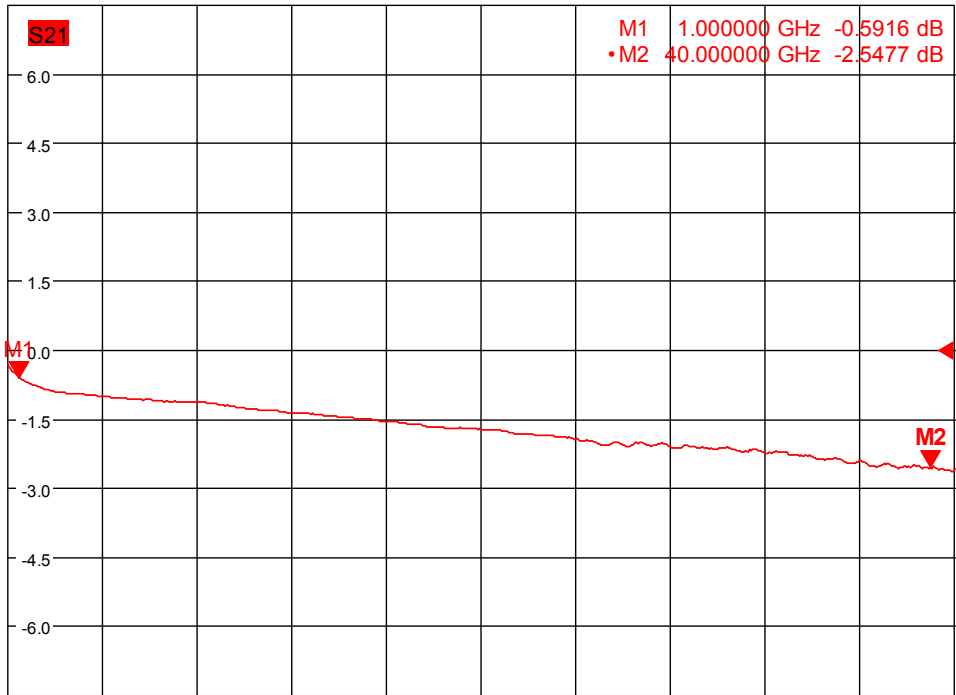
2. Mechanical Specification (for reference)



Typical Test Curve

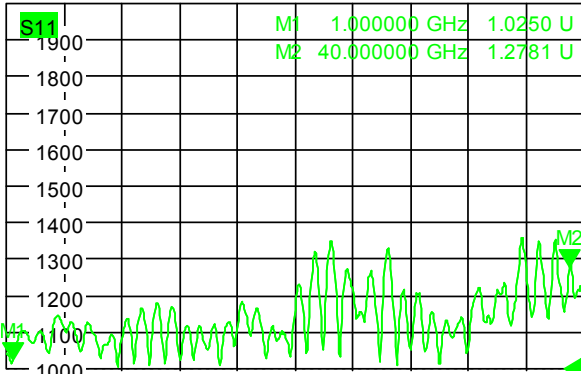


Trc3 **S21** dB Mag 1.5 dB / Ref 0 dB Cal 3 (Max)



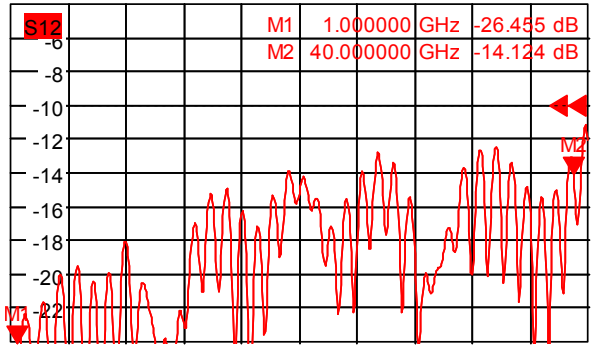
Ch1 fb Start 500 MHz Pb 0 dBm Stop 41 GHz

Trc1 **S11** SWR 100 mU/ Ref 1 U Cal 1



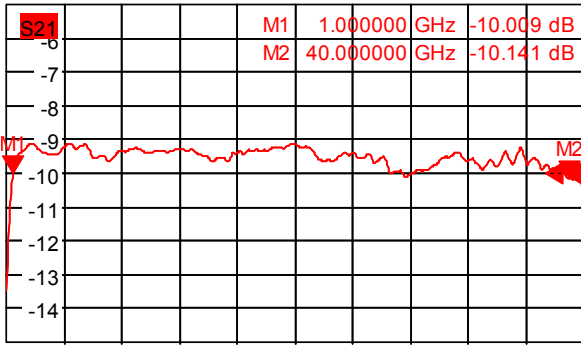
Ch1 fb Start 500 MHz Pb 0 dBm Stop 41 GHz

Trc2 **S12** dB Mag 2 dB / Ref -10 dB Cal Math 2
Mem6[Trc2] **S12** dB Mag 2 dB / Ref -10 dB Invisible



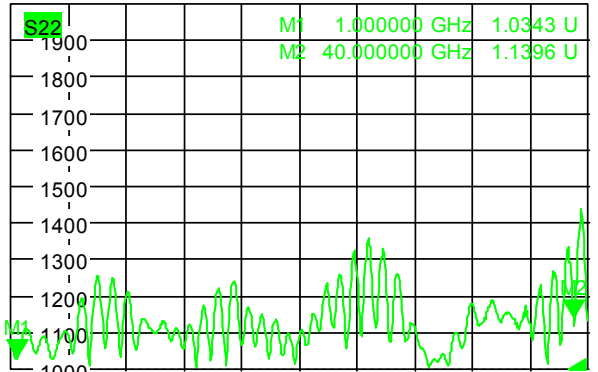
Ch1 fb Start 500 MHz Pb 0 dBm Stop 41 GHz

Trc3 **S21** dB Mag 1 dB / Ref -10 dB Invisible 3
Mem5[Trc3] **S21** dB Mag 1 dB / Ref -10 dB



Ch1 fb Start 500 MHz Pb 0 dBm Stop 41 GHz

Trc4 **S22** SWR 100 mU/ Ref 1 U Cal 4



Ch1 fb Start 500 MHz Pb 0 dBm Stop 41 GHz