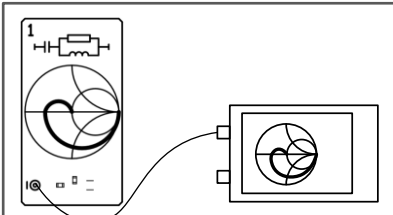


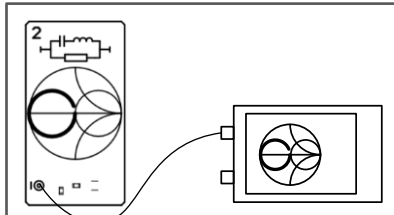
RF Demo Kit Quick Start Guide

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Date: 24 Dec 2019
Release: 1.0



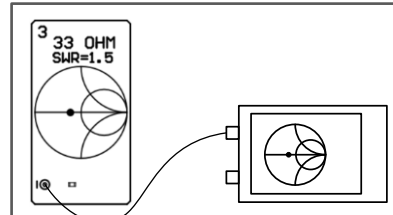
1

Circuit 1: RLC series - parallel circuit
Display S11 Smith chart
Start frequency = 50kHz
Stop frequency = 600MHz



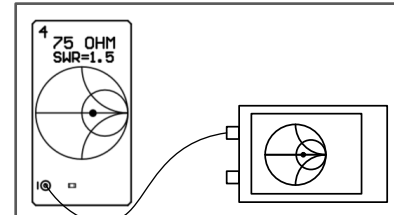
2

Circuit 2: RLC series-parallel circuit
Display S11 Smith chart
Start frequency = 50kHz
Stop frequency = 600MHz



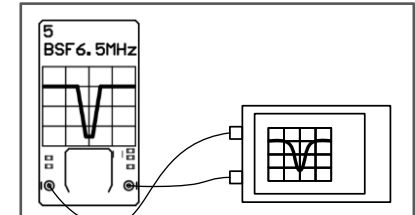
3
33 OHM
SWR=1.5

Circuit 3: 33 ohm resistor
Display S11 Smith chart & SWR
Start frequency = 50kHz
Stop frequency = 1000MHz



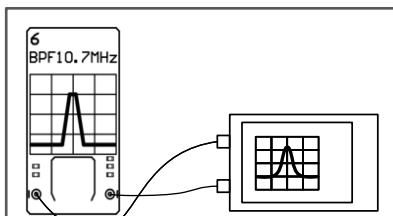
4
75 OHM
SWR=1.5

Circuit 4: 75 ohm resistor
Display S11 Smith chart & SWR
Start frequency = 50kHz
Stop frequency = 1000MHz



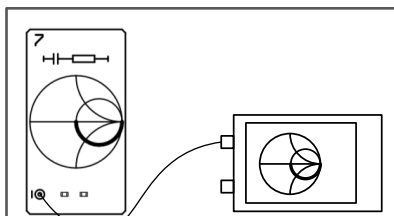
5
BSF 6.5MHz

Circuit 5: 6.5MHz ceramic trap
Display S21 LOGMAG
Start frequency = 5.5MHz
Stop frequency = 7.5MHz



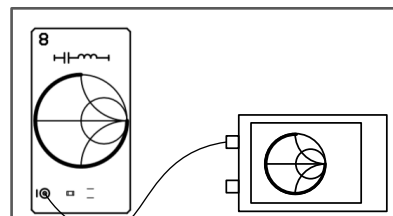
6
BPF 10.7MHz

Circuit 6: 10.7MHz ceramic filter
Display S21 LOGMAG
Start frequency = 9.7MHz
Stop frequency = 11.7MHz



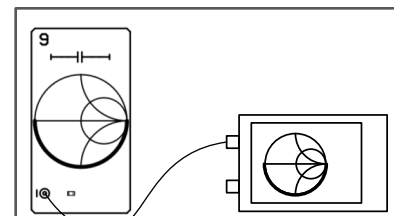
7

Circuit 7: RC series circuit
Display S11 Smith chart
Start frequency = 50kHz
Stop frequency = 300MHz



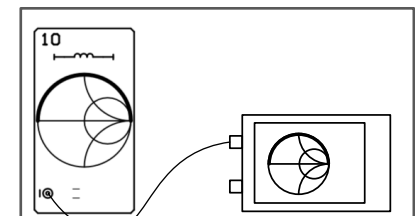
8

Circuit 8: LC series circuit
Display S11 Smith chart
Start frequency = 50kHz
Stop frequency = 600MHz



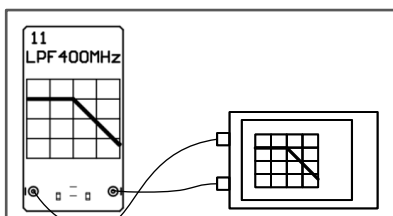
9

Circuit 9: Capacitance
Display S11 Smith chart
Start frequency = 50kHz
Stop frequency = 300MHz



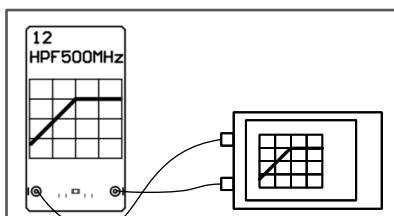
10

Circuit 10: Inductance
Display S11 Smith chart
Start frequency = 50kHz
Stop frequency = 30MHz



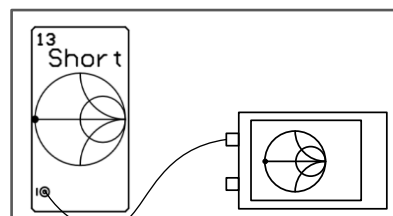
11
LPF 400MHz

Circuit 11: 400MHz low-pass filter
Display S21 LOGMAG, Scale= 2dB
Start frequency = 100MHz
Stop frequency = 600MHz



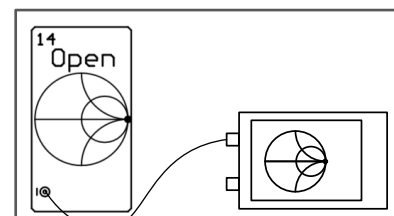
12
HPF 500MHz

Circuit 12: 500MHz high-pass filter
Display S21 LOGMAG, Scale= 10dB
Start frequency = 1MHz
Stop frequency = 1000MHz



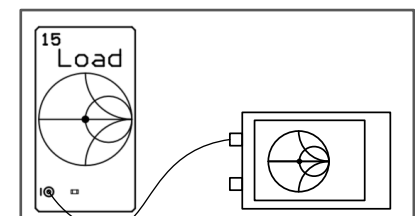
13
Short

Circuit 13: Short
Display S11 Smith chart
Start frequency = 50kHz
Stop frequency = 1000MHz



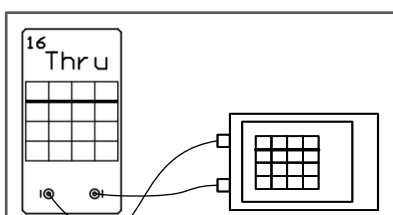
14
Open

Circuit 14: Open
Display S11 Smith chart
Start frequency = 50kHz
Stop frequency = 1000MHz



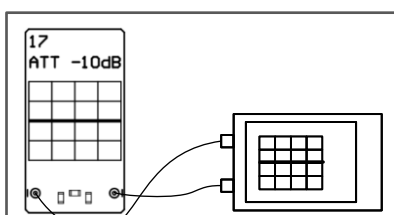
15
Load

Circuit 15: 50 ohm load
Display S11 Smith chart
Start frequency = 50kHz
Stop frequency = 1000MHz



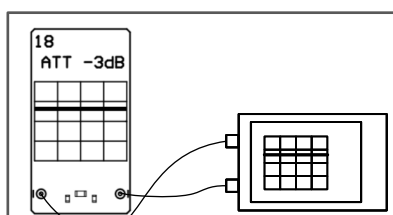
16
Thru

Circuit 16: Thru
Display S21 LOGMAG
Start frequency = 50kHz
Stop frequency = 1000MHz



17
ATT -10dB

Circuit 17: 10dB attenuation
Display S21 LOGMAG
Start frequency = 50kHz
Stop frequency = 1000MHz



18
ATT -3dB

Circuit 18: 3dB attenuation
Display S21 LOGMAG
Start frequency = 50kHz
Stop frequency = 1000MHz

RF Demo Kit RF test board
For NanoVNA-F
More information:
sysjoint.com/en/
hamelec.aliexpress.com/store/5261225

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