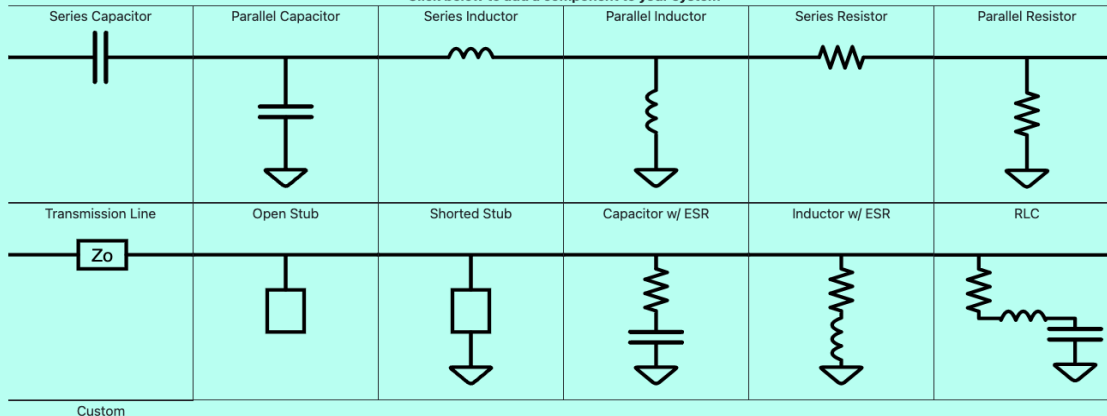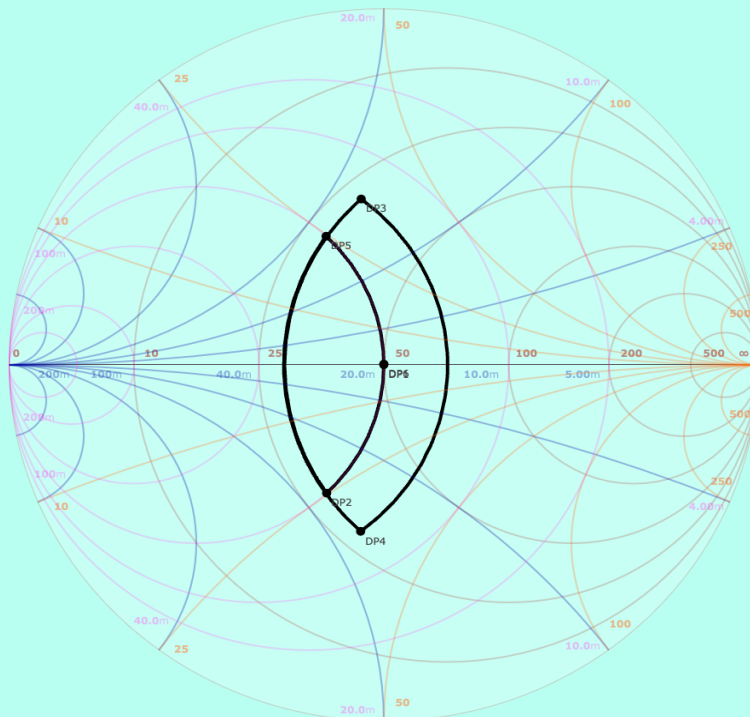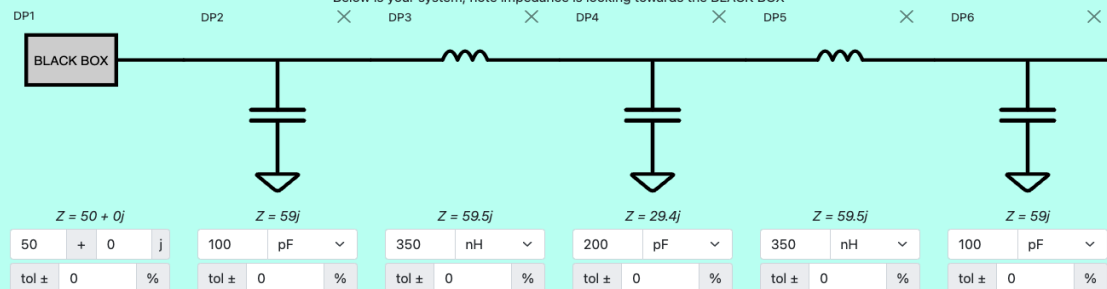# ONLINE SMITH CHART TOOL

Smith Chart   Circuit Solver

This free online interactive Smith chart tool is a calculator which can help you design matching networks and obtain maximum power transfer between your source and load. This tool is javascript so it works on Windows, Mac, IOS, Android... or any device with a web browser

Frequency	27	MHz	Frequency span ±	0	MHz
Characteristic Impedance	50	Ω	Permittivity eeff	1	

Impedance	50.0 + 0.252j		Admittance	0.0200 − 0.000101j
Reflection Coefficient	0.0000373 + 0.00252j		Reflection Coefficient	0.00252 ∠ 89.2°
VSWR	1.01			

Click below to add a component to your system

Series Capacitor	Parallel Capacitor	Series Inductor	Parallel Inductor	Series Resistor	Parallel Resistor

Transmission Line	Open Stub	Shorted Stub	Capacitor w/ ESR	Inductor w/ ESR	RLC

Zo

Custom

Below is your system, note impedance is looking towards the BLACK BOX

DP1   DP2   ✕   DP3   ✕   DP4   ✕   DP5   ✕   DP6   ✕

BLACK BOX

Z = 50 + 0j	*Z = 59j*	*Z = 59.5j*	*Z = 29.4j*	*Z = 59.5j*	*Z = 59j*
50 + 0 j	100 pF	350 nH	200 pF	350 nH	100 pF
tol ± 0 %	tol ± 0 %	tol ± 0 %	tol ± 0 %	tol ± 0 %	tol ± 0 %

☐ Enable Zoom   Show labels: ☑ DP ☑ Admittance ☑ Resistance   Show Circles: ☑ Adm ☑ Res

S11 Parameter vs Frequency   **Distance to Vmax and Vmin**