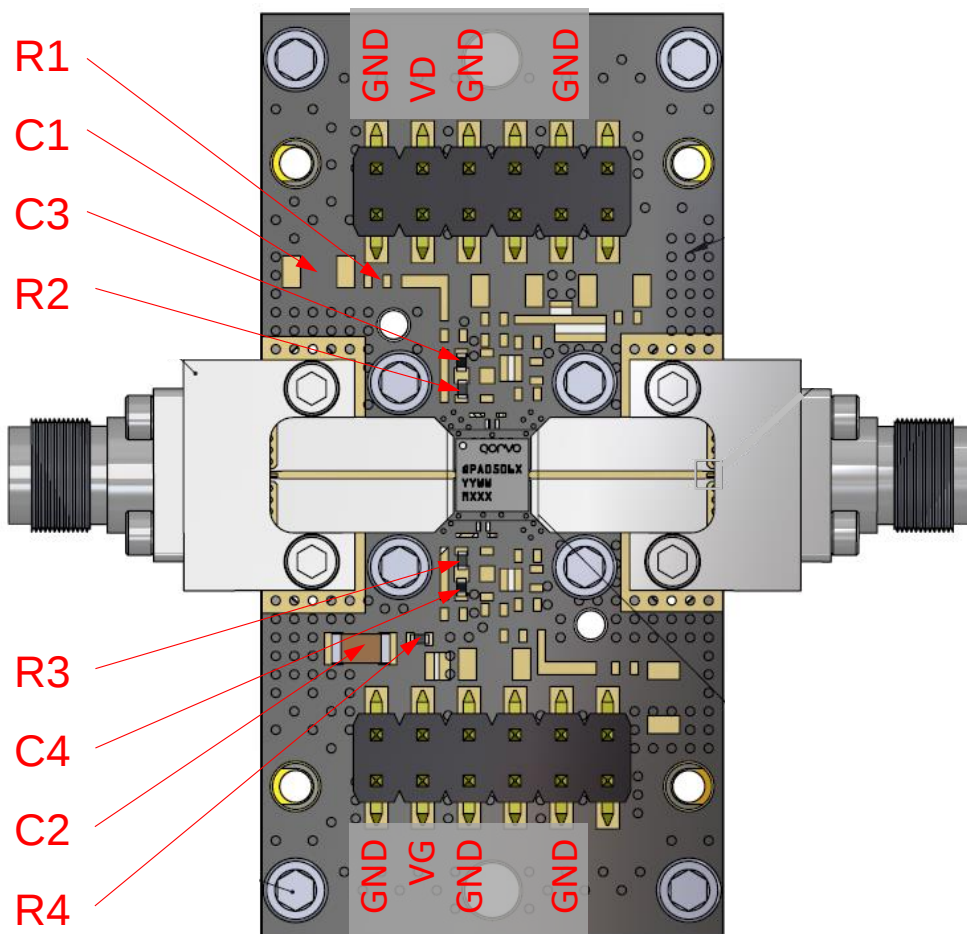


Evaluation Board

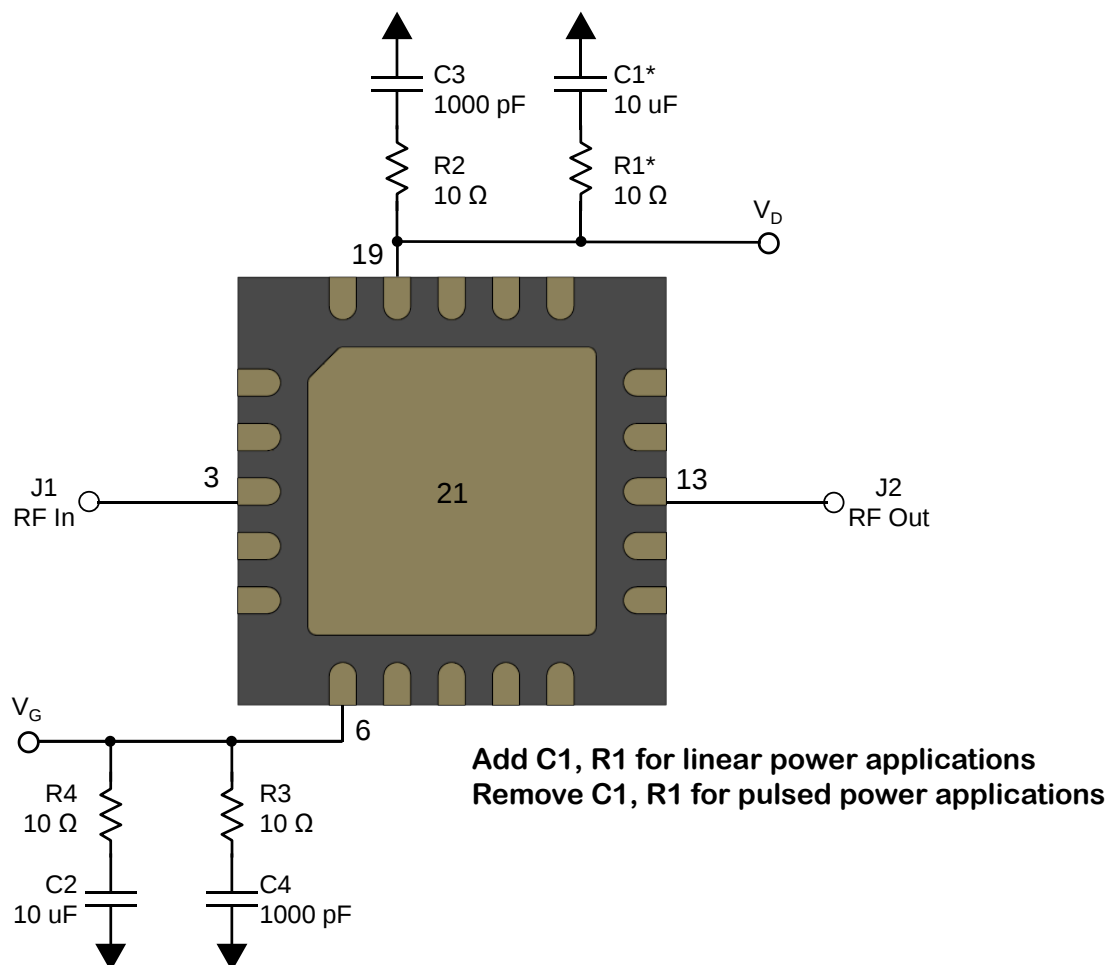


Bill of Materials

Ref. Des.	Value	Description	Manuf.	Part Number
C1*, C2	10 uF	CAP, 10uF, 20%, 50V, 20%, X5R, 1206	various	
C3,C4	1000 pF	CAP, 1000pF, 10%, 100V, X7R, 0402	various	
R1*, R2, R3, R4	10 Ω	RES, 10 OHM, 5%, 0.1W, 0402	various	
J1, J2	2.92 mm	2.92 mm Female End Launch Connector	Southwest Microwave	1092-01A-5

*Add C1 and R1 when operating in a linear power application

Application Information



Bias-up Procedure

Set I_D limit to 600 mA, I_G limit to 5 mA

Apply -5 V to V_G

Apply +25 V to V_D ; ensure I_{DQ} is approx. 0 mA

Adjust V_G until $I_{DQ} = 37.5$ mA

Turn on RF supply

Bias-down Procedure

Turn off RF signal

Reduce V_G to -5 V; ensure I_{DQ} is approx. 0 mA

Set V_D to 0 V

Turn off V_D supply

Turn off V_G supply