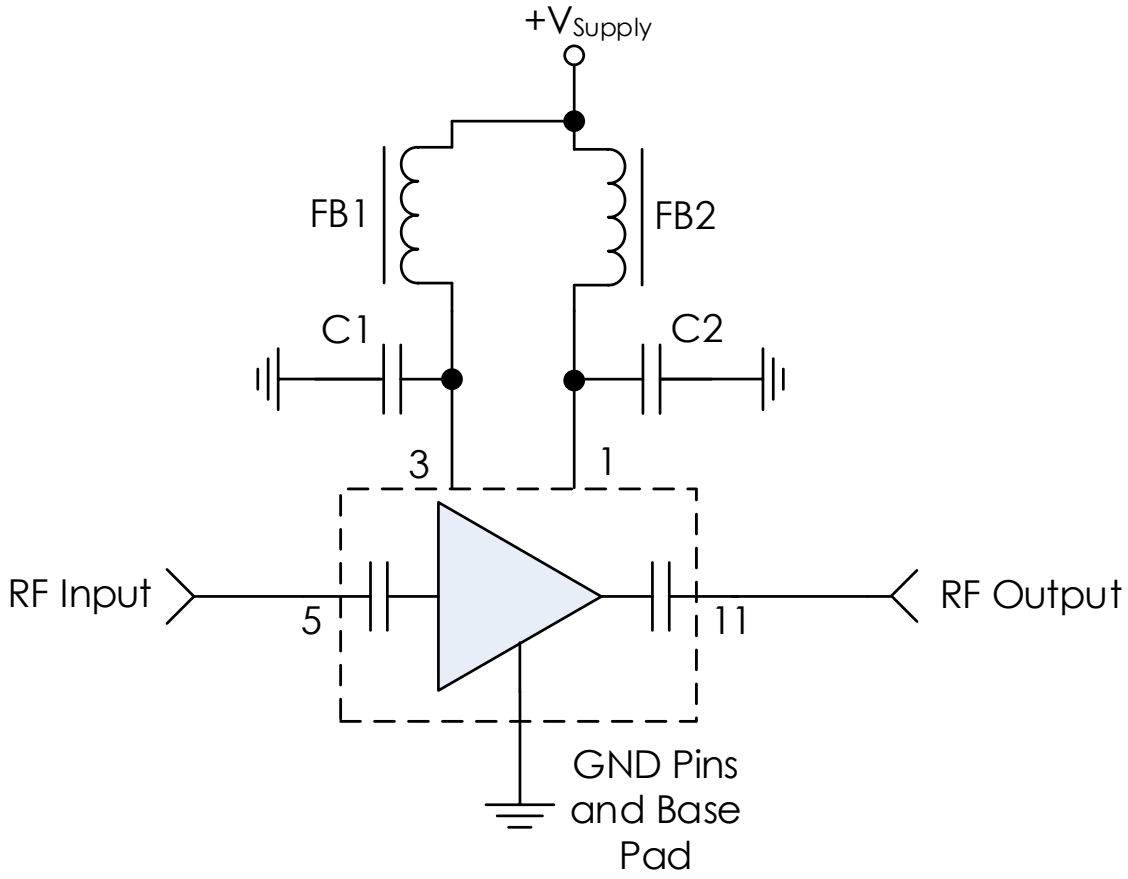
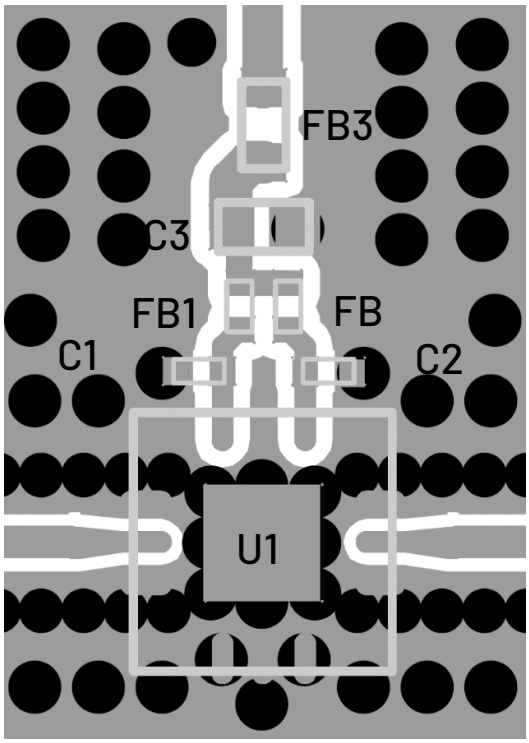
RECOMMENDED APPLICATION



RECOMMENDED COMPONENT LIST (OR EQUIVALENT)

Part	Value	Part Number	Manufacturer
C1, C2	0.1 uF	GRM033R61E104KE14J	Murata
FB1 – FB2	-	MMZ0603S102HT000	TDK

RECOMMENDED LAYOUT



Notes:

1. No DC blocks needed on RF input and output as IC is internally DC blocked.
2. Recommended input trace is grounded coplanar waveguide, 50 ohms.
3. IC and RF input / output should be via fenced.
4. Vias should be placed under IC and GND pads.
5. FB3 = MMZ1005A222E and C3 = GRM155R71C104KA88 in layout above. Components included for extra power supply rejection and not necessary for part operation.
6. If top layer dielectric is < 6 mils then ground cutouts should be added under pins 5 and 11 to minimize parasitic capacitance on layers until ground reference is 6mils or greater. A cutout of 0.4mm x 0.8mm is recommended

REVISION HISTORY

Date	Revision	Notes
August 5, 2021	1	Initial release.
August 12, 2024	2	Changed to Mercury branding. No content changes.

For more information, contact: MMICsupport@mrcy.com