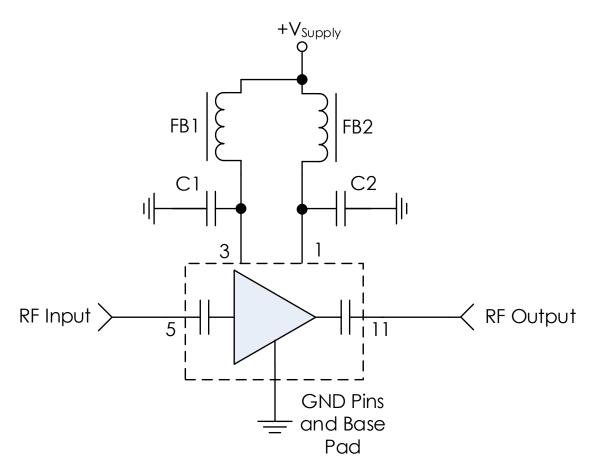


RECOMMENDED APPLICATION

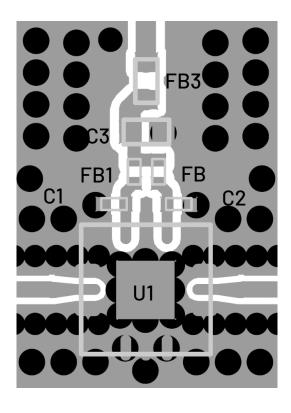


RECOMMENDED COMPONENT LIST (OR EQUIVALENT)

| Part | Value | Part Number | Manufacturer |
|-----------|-------|--------------------|--------------|
| C1, C2 | 0.1uF | 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 6 mils or greater. A cutout of 0.4 mm x 0.8 mm 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

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