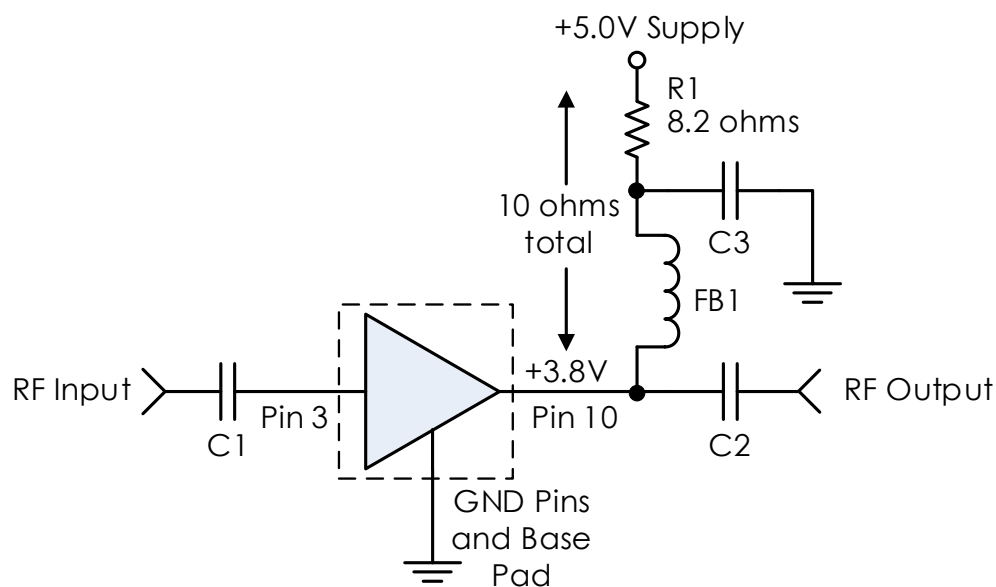


APPLICATION NOTE

AM1018 – 3mm Amplifier

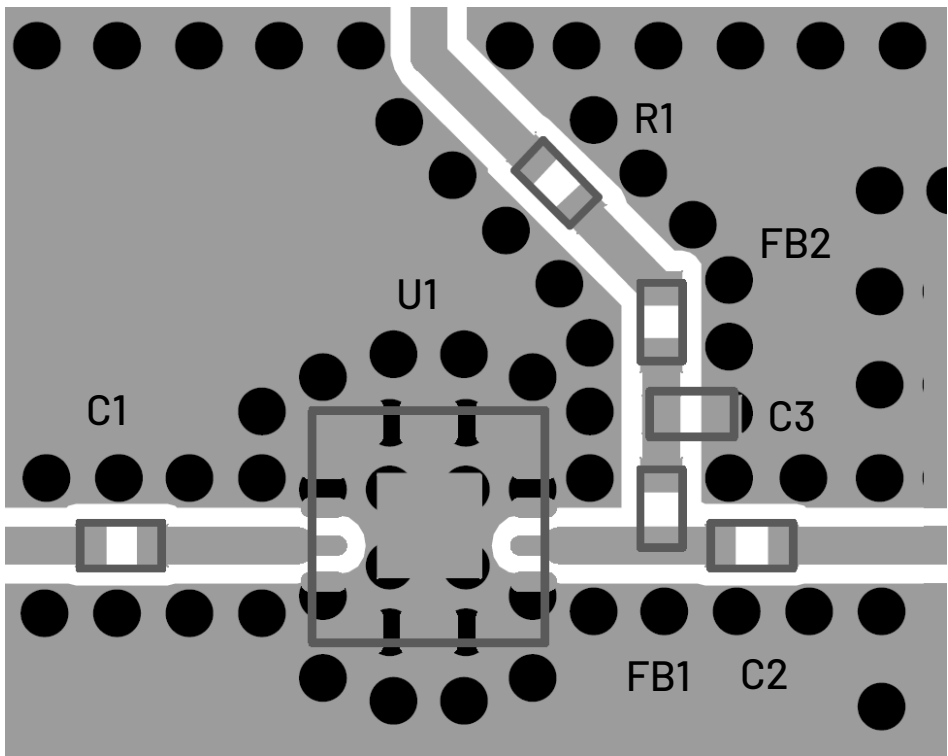
TYPICAL APPLICATION



RECOMMENDED COMPONENT LIST (OR EQUIVALENT)

Part	Value	Part Number	Manufacturer
C1, C2	0.1 uF	0402BB104KW160	Passives Plus
C3	0.1 uF	GRM155R71C104KA88	Murata
FB1	-	MMZ1005A222E	TDK

RECOMMENDED LAYOUT



Notes:

- 1. FB2 = FB1 = MMZ1005A222E for symmetry.
- 2. R1 ~ 8 ohms.
- 3. Recommended input trace is grounded coplanar waveguide, 50 ohms.
- 4. IC and RF input / output should be via fenced.
- 5. Vias should be placed under IC and GND pads.

REVISION HISTORY

Date	Revision	Notes
June 25, 2020	1	Initial release.
August 14, 2024	2	Changed to Mercury branding. No content changes.

For more information, contact: MMICsupport@mrcy.com

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© 2024 Mercury Systems, Inc. 2-0-2024-08-14-AN-AM1018 3mm Amplifier