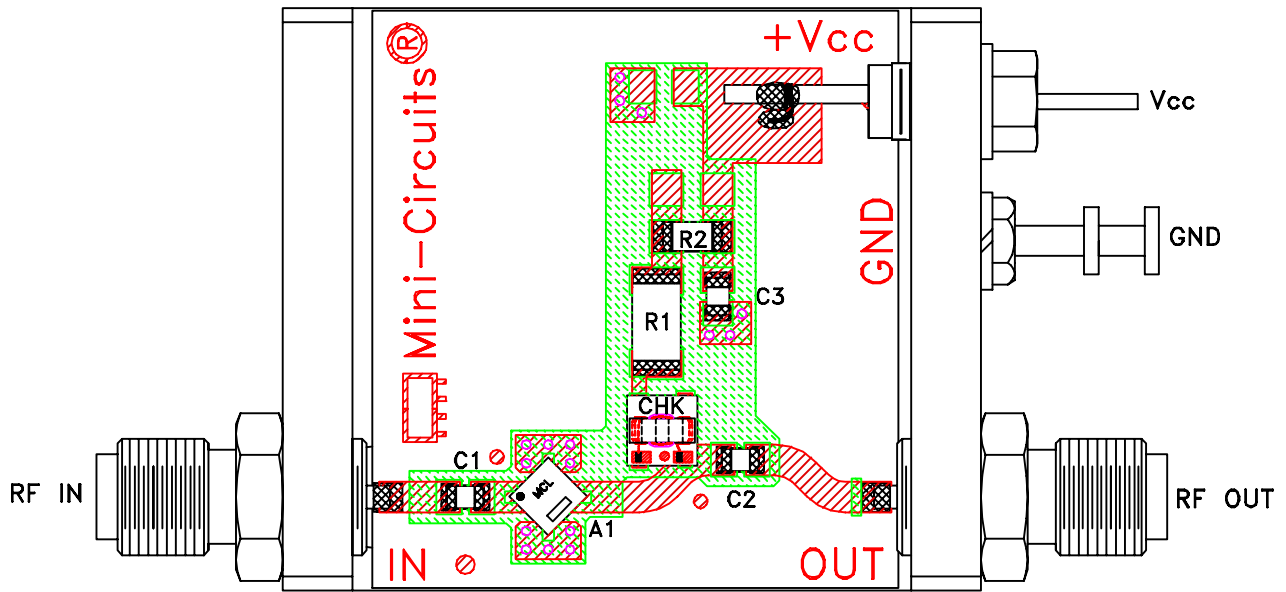
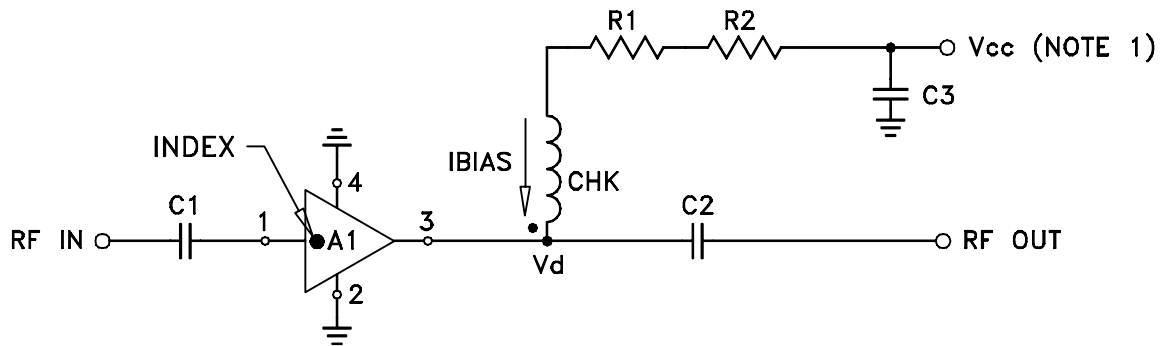


Evaluation Board and Circuit



TB-413-9+



COMPONENT	VALUE
A1	LEE-9(+)
C1 (NOTE 4)	2400 pF
C2 (NOTE 4)	2400 pF
C3 (bypass)	0.1 uF
R1	165 Ohms, 0.75W
R2	0 Ohm, 0.25W
CHK	Mini-Circuits TCCH-80+

Schematic Diagram

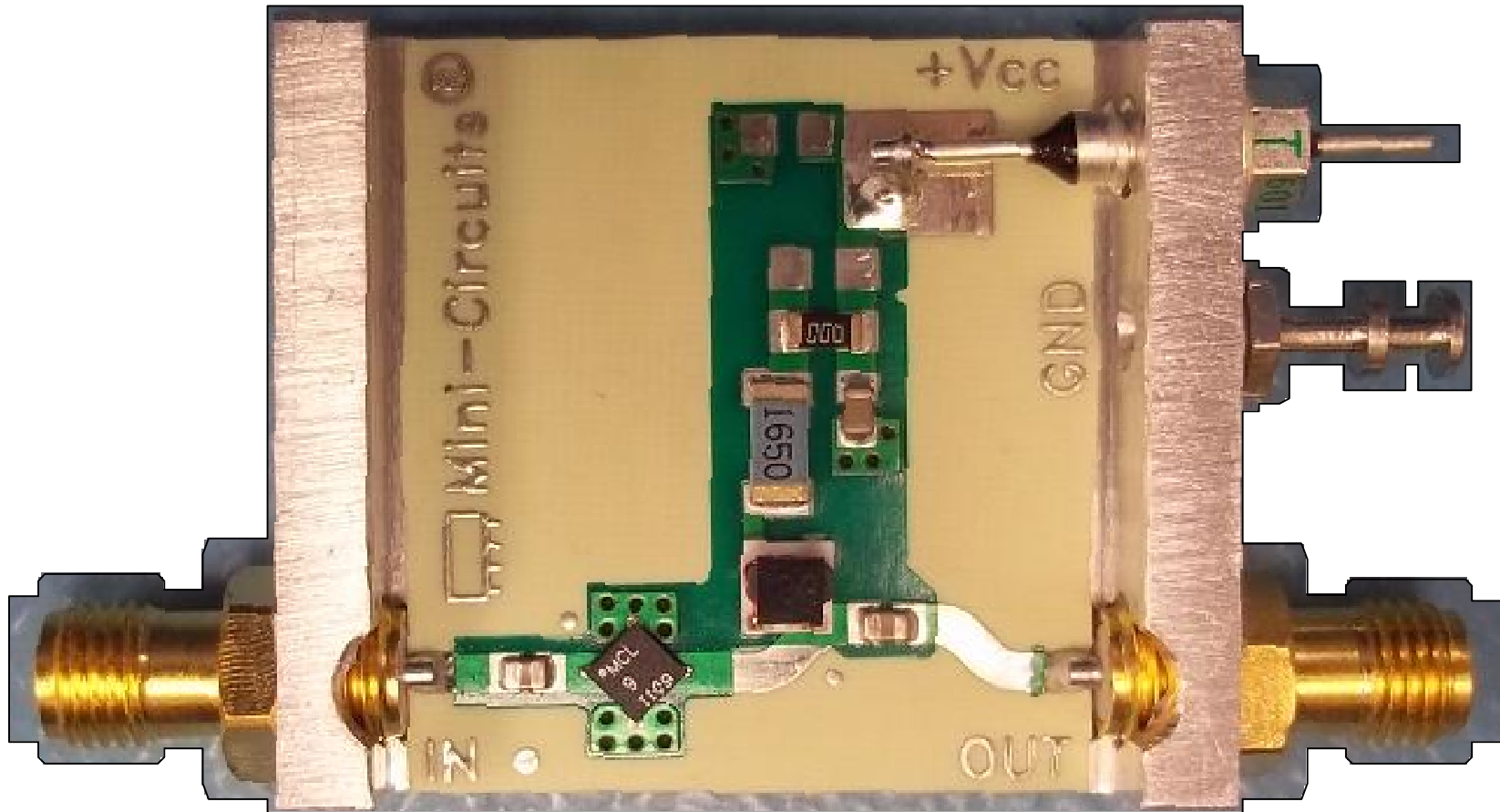
NOTE:


1. Vcc voltage: $+12 \pm 0.2V$.
2. SMA Female connectors.
3. PCB material: Rogers R04350 or equivalent, dielectric constant=3.5, dielectric thickness=.030 inch.
4. Capacitors, C1 & C2 should be free of resonance up to the highest frequency specified.
5. Insertion loss of Input/Output line :

Frequency, GHz	1.0	2.0	4.0	8.0
Loss,dB*	0.5	0.8	1.2	1.6

* Add PCB loss to measured Gain to get DUT Gain.

Mini-Circuits®



 Mini-Circuits THIS DOCUMENT AND ITS CONTENTS ARE THE PROPERTY OF MINI-CIRCUITS. EXCEPT FOR USE EXPRESSLY GRANTED, IN WRITING, TO ITS VENDORS, VENDEE AND THE UNITED STATES GOVERNMENT, MINI-CIRCUITS RESERVES ALL PROPRIETARY DESIGN, USE, MANUFACTURING AND REPRODUCTION RIGHTS THERETO. THESE CONTENTS SHALL NOT BE USED, DUPLICATED OR DISCLOSED TO ANY OUTSIDE PARTY, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION OF MINI-CIRCUITS.	ALL DIMENSIONS ARE IN INCHES EXCEPT OTHERWISE SPECIFIED			
	SIZE A	CODE IDENT 15542	DRAWING NO: TB-413-9-20+	REV: A
	FILE: WTB-413-9+		SCALE: NONE	SHEET: 3 OF 3
	ASHEETL2.DWG REV:A DATE: 01/12/94			