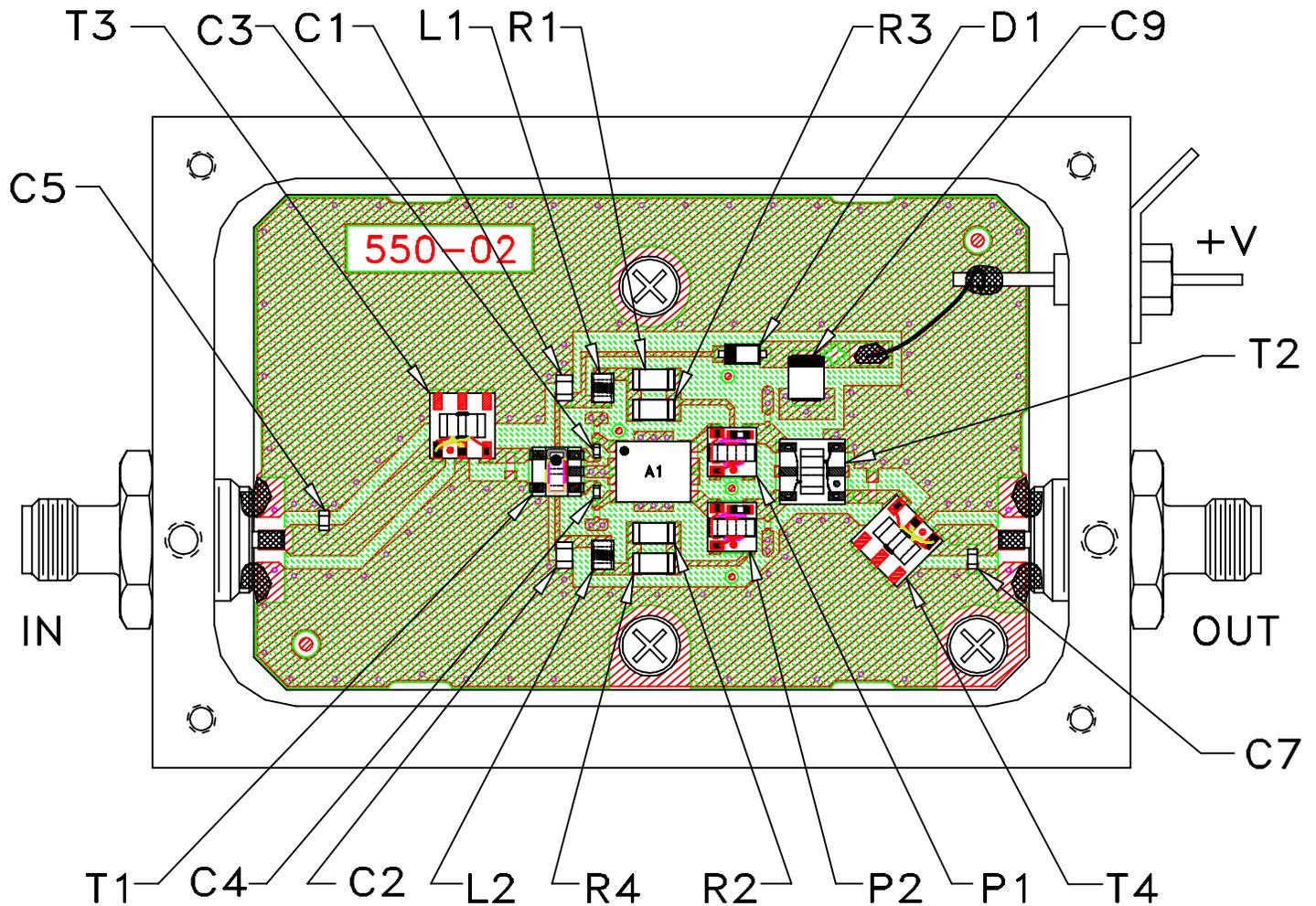


# Evaluation Board and Circuit



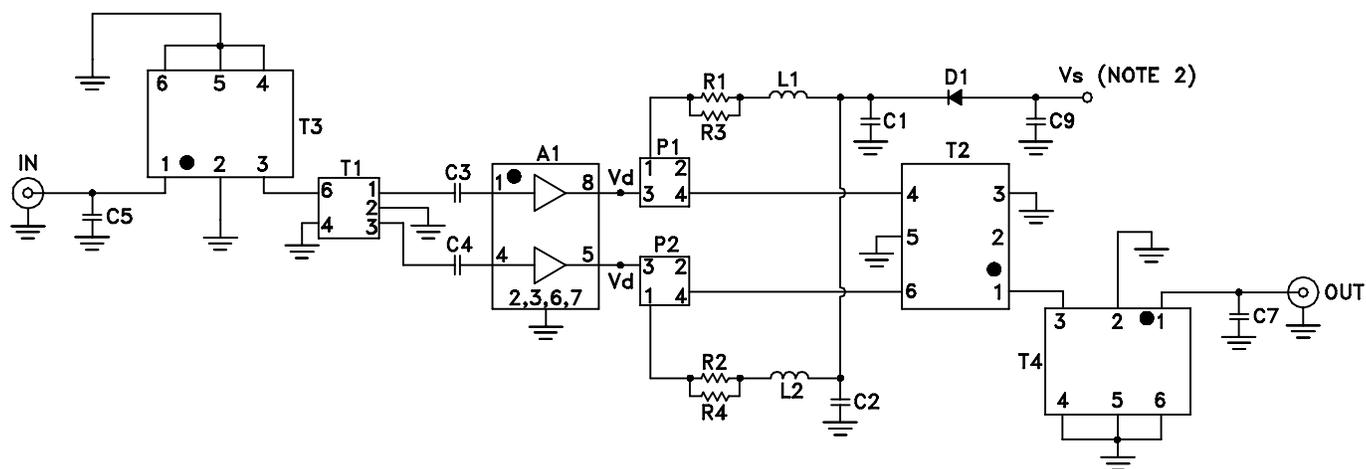
TB-566-50-11+

**Notes:**

1. 50 Ohm SMA Female connectors.
2. PCB Material: FR4.  
Dielectric Constant=4.7, Thickness=.059 inch.

 **Mini-Circuits®**

# Evaluation Board and Circuit



## Note:

1. Numbers inside the boxes indicate Pin Numbers.
2. Set  $V_s$  to obtain  $V_d = +5V$ .

| COMPONENT | VALUE                         |
|-----------|-------------------------------|
| A1        | Mini-Circuits PHA-11+         |
| C1,C2     | .039 $\mu F$                  |
| C3,C4     | 1000 pF                       |
| C5        | 0.8 pF                        |
| C7        | 1.1 pF                        |
| C9        | 1.0 $\mu F$                   |
| D1        | ON Semiconductor: MBR0520LT1G |
| L1,L2     | 680 nH                        |
| P1,P2     | Mini-Circuits TCBT-6G+        |
| R1,R2     | 11.5 Ohm                      |
| R3,R4     | 7.50 Ohm                      |
| T1        | Mini-Circuits TC1.33-282+     |
| T2        | Mini-Circuits TRS1-23-75+     |
| T3,T4     | Mini-Circuits TRS2-252+       |

## Schematic Diagram

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