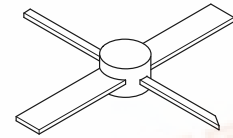
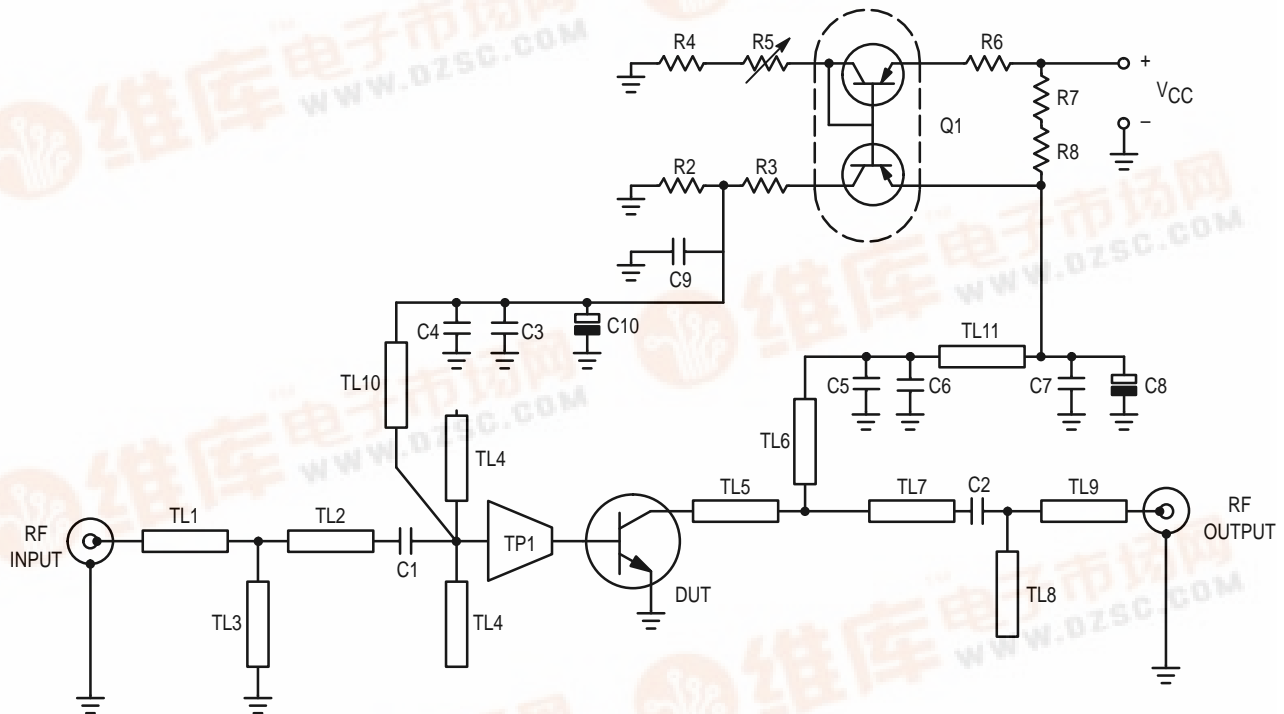


The RF Line  
**NPN Silicon**  
**RF Power Transistor**

**MRF6401**  
**PHOTOMASTER**



CASE 305C-02, STYLE 1  
 SOE200-PILL

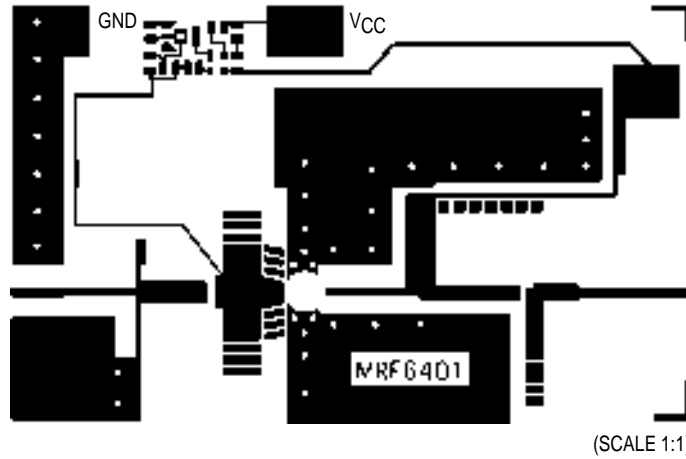


- C1 1.5 pF, ATC Chip Capacitor 100A
- C2 3.9 pF, ATC Chip Capacitor 100A
- C3 56 pF, ATC Chip Capacitor 100A
- C4, C6, C7, C9 15 nF, Chip Capacitor 0805
- C5 47 pF, ATC Chip Capacitor 100A
- C8 4.7 μF, 35 V, Capacitor
- C10 10 μF, 16 V, Capacitor
- C11 100 pF, ATC Chip Capacitor 100A

- Q1 Transistor, BCV62
- R2 470 Ω, Chip Resistor 0805
- R3 4.7 kΩ, Chip Resistor 0805
- R4 8.2 kΩ, Chip Resistor 0805
- R5 5 kΩ, SMD Potentiometer
- R6 680 Ω, Chip Resistor 0805
- R7, R8 7.5 Ω, Chip Resistor 0805
- TL1 to TL11 μStrip Lines; See Photomaster
- TP1 μStrip Taper; See Photomaster

Figure 1. 1600–2000 MHz Broadband Application Amplifier Schematic





TEFLON® GLASS 0.508 MM 2 SIDES 35 μm Cu

(SCALE 1:1)

Figure 2. PC Board Photomaster

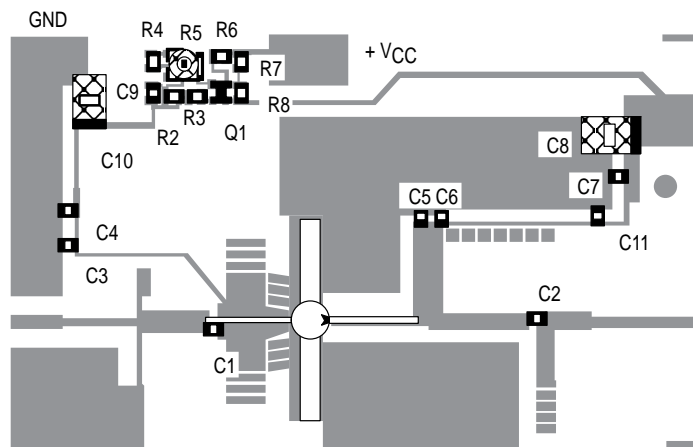
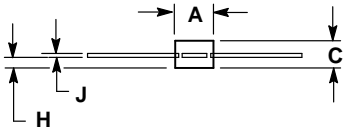
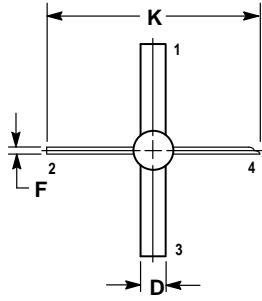


Figure 3. Test Circuit Components Layout

## PACKAGE DIMENSIONS




- NOTES:  
 1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.  
 2. CONTROLLING DIMENSION: INCH.

DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.200	0.210	5.08	5.33
C	—	0.125	—	3.17
D	0.120	0.130	3.05	3.30
F	0.025	0.035	0.64	0.88
H	0.035	0.045	0.88	1.14
J	0.004	0.006	0.11	0.15
K	0.970	1.030	24.64	26.16

- STYLE 1:  
 PIN 1. EMITTER  
 2. BASE  
 3. EMITTER  
 4. COLLECTOR

**CASE 305C-02  
 ISSUE A**

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