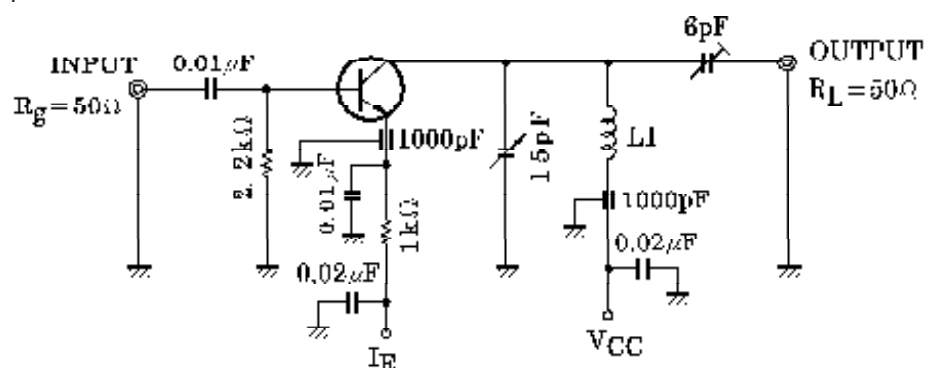


Fig.1. N_F , G_{pe} TEST CIRCUIT

L1 : 0.8mmφ SILVER PLATED COPPER WIRE, 4Turns, 10mm ID, 8mm Length.

Y PARAMETER (Typ.)

(1) COMMON EMITTER ($V_{CE} = 6V$, $I_E = -1mA$, $f = 100MHz$)

CHARACTERISTIC	SYMBOL	TYP.	UNIT
Input Conductance	g_{ie}	2.9	ms
Input Capacitance	C_{ie}	10.2	pF
Reverse Transfer Admittance	$ Y_{re} $	0.33	ms
Phase Angle of Reverse Transfer Admittance	θ_{re}	-90	°
Forward transfer Admittance	$ Y_{fe} $	40	ms
Phase Angle of Forward Transfer Admittance	θ_{fe}	-20	°
Output Conductance	g_{oe}	45	μS
Output Capacitance	C_{oe}	1.1	pF

(2) COMMON BASE ($V_{CB} = 6V$, $I_E = -1mA$, $f = 100MHz$)

CHARACTERISTIC	SYMBOL	TYP.	UNIT
Input Conductance	g_{ib}	34	ms
Input Capacitance	C_{ib}	-10	pF
Reverse Transfer Admittance	$ Y_{rb} $	0.27	ms
Phase Angle of Reverse Transfer Admittance	θ_{rb}	-105	°
Forward Transfer Admittance	$ Y_{fb} $	34	ms
Phase Angle of Forward Transfer Admittance	θ_{fb}	165	°
Output Conductance	g_{ob}	45	μS
Output Capacitance	C_{ob}	1.1	pF

