

U W N W K I

File ~~SP~~
RD-107 TO-10

PDP
3-19-06-701

7 JUL 1959

Central Intelligence Agency
2430 East Street, N.W.
Washington 25, D.C.

Attention:



STAT

Gentlemen:

Reference is made to telephone conversation between
[redacted] of your Agency and [redacted] of this Laboratory
on 3 July 1959.

STAT,T

In compliance with request made during the above referenced
conversation, data and four experimental transistors are being
forwarded to your Agency under separate cover.

- 2 Incls. (u/s/c)
- 1. Data
- 2. 4 Exp Trans.



Chief, Physical Electronics Branch
Electronic Components and Research Division

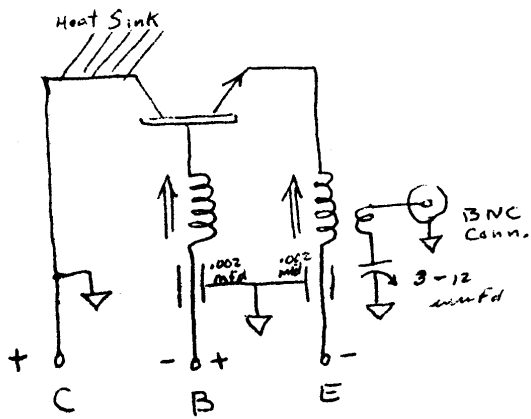
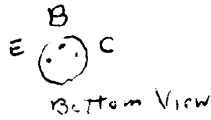
STAT

01

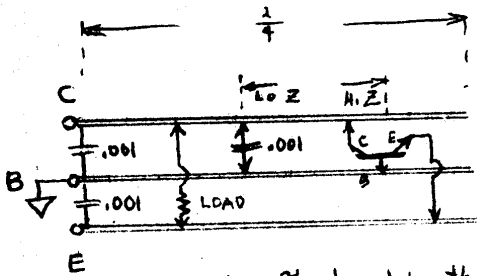
DOC <u>91</u>	REV DATE <u>18 APR 1960</u>	BY <u>018373</u>
ORIG COMP <u>701</u>	OPI <u>56</u>	TYPE <u>01</u>
ORIG CLASS <u>M</u>	PAGES <u>3</u>	REV CLASS _____
JUST _____	NEXT REV _____	AUTH: HR 70-3

DEFENSE / NO OBJ.

1W 70 MC NPN XISTOR



- ① Apply low bias (V_c 15 I_c 10)
- ② Output to 50 Ω Power Meter or VTM
- ③ Adj freq w emitter slug
- ④ Peak output w base slug
- ⑤ " " " output capacitor
- ⑥ Recheck freq.
- ⑦ Raise bias (V_c 90 I_c 20)



transistor \cong $\frac{1}{4}$ rod length from open end
 slide load (\cong 50-100 Ω) toward shorted end
 slide feed back to shorted end

STAT

4D308 Hexagon
 U.S.A.S.R.D.C.
 SOL. STAFF DEV DIV

#	V_{E0}	I_{E0}	V_{CB0}	I_{C0}	I_{CO}	C_c	$r_{b'}$	r_{c+ret}	$r_{c'}$	I_{thick}	MW
	100 mA 2V	MA 2V	1MA 1V	MA 10V	MA 100V	μF 50V	Ω	Ω	Ω		1000 50 MA
346	5.3	.480	130	.012	76.0	4.0	44	12.5	12.9	.290	960
365	5.5	.180	168	.001	84.0	3.8	42	10.3	13.4	.280	1050
376	4.0	3.00	130	.002	61.0	0.3	29	4.5	12.7	.265	1025
386	4.5	.760	140	.024	34.0	3.6	32	7.7	28.6	.380	855

*Selected and
packed
3 July 1959*

STAT

MAX Power Dissipation
" C to E Voltage is .
" E current is