

# 30,

### DETECTOR AMPLIFIER PENTODE

T TYPE		
ential Ca	thode	
.3	a-c or d-	-c voits
15		amp.
ances:		•
01 max.		uuf
.6		uuf
.0		щиf
	1-13/1	6"
Top		`
	1-3/16"	± 3/32"*
		1, /-
XX .	Ca	thode.
<b>***</b>		id No. 3,
<del>₹</del>	['"	Shield
	Stock N	0014
OM VIEW	OLOCK I	Any
	sian_Center Val	الانتم عمرا
g S A, C DC	sign-center vari	***
LIFIER		
	250 max.	volts
	100 max.	voits
	-3 min.	volts
		watt
	0.1	watt
eristics.	- Class A. Ampli	fier:
90	250	volts
90	100	volts
-3	-3	vo1ts
1.0	<ul><li>approx.</li></ul>	. megohm
1100	1400	umhos
1.2	2.0	ma.
0.5	0.7	ma.
Superhete	erodyne Circuit:	1
100	250	volts
100	100	volts
-5	-5 approx	volts
_		
	-f amplifier sta	
T 680 T		00 700
ot each r-	tane coupling	ge may
ent inters	stage coupling	and to
ent inters circuit	stage coupling returns when th	and to l
ent inters circuit frequenci	stage coupling returns when th ies. R-f by-p	and to e tube assing
ent inters circuit frequenci se of sma	stage coupling returns when th ies. R-f by-p all condensers	and to e tube assing having
ent inters circuit frequenci se of sma ne tube te	stage coupling returns when the les. R-f by-pall condensers erminals. It ma	and to e tube assing having y also
ent inters circuit frequenci se of sma ne tube te ions to	stage coupling returns when the less R-f by-pall condensers erminals. It masupplement the	and to e tube assing having y also action
ent inters circuit frequenci se of sma ne tube te cions to	stage coupling returns when the less R-f by-pall condensers erminals. It mas supplement the colose to the c	and to e tube assing having y also action onden—
ent inters circuit frequenci se of sma ne tube te ions to	stage coupling returns when the les. R-f by-pall condensers erminals. It massupplement the colose to the corthe grid, s	and to e tube assing having y also action onden— creen.
ent inters circuit frequenci se of sma ne tube te ions to	stage coupling returns when the less R-f by-pall condensers erminals. It mas supplement the colose to the c	and to e tube assing having y also action onden— creen.
	ential Ca  3 15 ances: 01 max. 6 0 Top  MVIEW S Are De  LIFIER  eristics 90 90 -3 1.0 1100 1.2 0.5 Superhete 100 100	ential Cathode .3 .3 .6 .15 .3 .6 .0 .1–13/16" .3/4* .T–5–1/ .Miniature Butto .Pin 5 – Pl .Pin 6 – Sc .Pin 7- {



#### **DETECTOR AMPLIFIER PENTODE**

(continued from preceding page)

plate and heater. The 9001 has two cathode leads in order that the plate and screen r-f circuits may be completed with a minimum of circuit inductance in common with the grid circuit. The grid return may be connected to one cathode terminal and the plate and screen returns may be connected to the other cathode terminal.

- The cathode of the 9001, when operated from a transformer, should preferably be connected to the heater circuit. In the case of d-c operation of the heater from a storage battery, the cathode circuit is tied in either directly or through bias resistors to the negative battery terminal. In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

  Greater than 1.0 megohm.

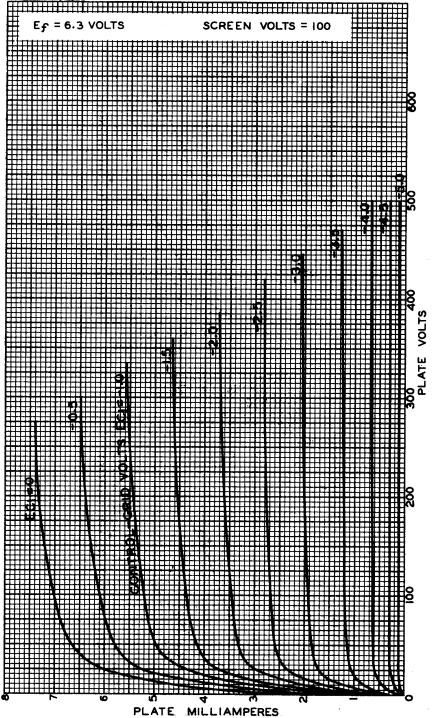
  The grid bias is minimum for an oscillator peak voltage of 4 volts. These values are optimum.
- - A The center hole in sockets designed for this base provides for the possibility that this tube type may be manufactured with the exhaust-tube tip at the base end. For this reason, it is recommended that in equipment employing this tube type, no material be permitted to obstruct the socket hole.

OCT. 1, 1943

DATA



## AVERAGE PLATE CHARACTERISTICS PENTODE CONNECTION



MAY 22,1941

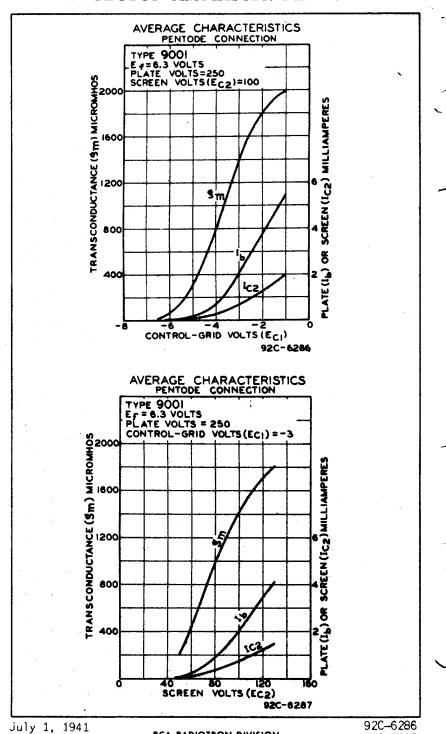
RCA RADIOTRON DIVISION RCA MANUFACTURING COMPANY, INC.

92C-629I





#### DETECTOR AMPLIFIER PENTODE



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