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POWER AMPLIFIER PENTODE

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.7	amp.
Maximum Overall Length		4-11/16"
Maximum Diameter		1-13/16"
Bulb		ST-14
Base		Medium 6-Pin
Pin 1-Heater		Pin 4-Grid
Pin 2-Plate		Pin 5-Cathode
Pin 3-Screen		Pin 6-Heater

BOTTOM VIEW

For additional data, refer to Type 6F6; and to Types 6F6 and 2A5 for additional curves.

← Indicates a change.

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OPERATION CHARACTERISTICS
TRIODE CONNECTION-CLASS AB OPERATION

$E_f = 6.3$ VOLTS

INPUT STAGE : CLASS A DRIVER-ONE TYPE 42 AS TRIODE
PLATE VOLTS = 250
SELF-BIAS RESISTOR = 650 OHMS

OUTPUT STAGE : CLASS AB-TWO TYPE 42'S AS TRIODES
ZERO-SIGNAL PLATE VOLTS = 350, FROM
SUPPLY HAVING RESISTANCE (R_b)
SHOWN IN TABLE
ZERO-SIGNAL BIAS VOLTS = VALUE FROM
GRID-BIAS RESISTOR (R_c) OF
730 OHMS
OUTPUT LOAD, PLATE TO PLATE = 10000 OHMS

CONDI- TION	CURVE	R_b Ohms	DRIVER STAGE		INTERSTAGE TRANSFORMER	
			Input-Signal Volts* (RMS)	Plate Load Ohms	Voltage Ratio Prim.:1/2 Sec.	Peak Power Efficiency - %
1	—	0	14	15600	1.29	76.7
2	- - -	500	14	17400	1.29	76.0
3	1000	14	17000	1.29	76.7

* For maximum output

