

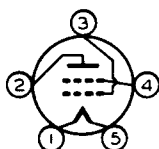


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DUAL-GRID POWER AMPLIFIER

Filament	Coated	
Voltage	2.5	a-c or d-c volts
Current	1.75	amp.
Maximum Overall Length		5-3/8" ←
Maximum Diameter		2-1/16" ←
Bulb		ST-16
Base		Medium 5-Pin
Pin 1 - Filament		Pin 4 - Grid #2
Pin 2 - Plate		Pin 5 - Filament
Pin 3 - Grid #1		
Mounting Position	BOTTOM VIEW	Vertical ◊ ←

PUSH-PULL AMPLIFIER - Class B

Grids #1 and #2 connected together at socket
 Unless otherwise specified, values are for 2 tubes

Plate Voltage	400	max.	volts
Peak Plate Current	200	max.	ma.
Average Plate Dissipation	10	max.	watts
Typical Operation:			
Filament	2.5	2.5	a-c volts
Plate	300	400	volts
Grid (#1 & #2 tied together) *	0	0	volts
Peak A-F Grid-to-Grid Voltage	113	116	volts
Zero-Sig. D-C Plate Cur.	4	6	ma.
Load Resistance (per tube)	1300	1450	ohms
Effective Load Res.			
(plate to plate)	5200	5800	ohms
Power Output	16 [□]	20 ^{□□}	approx. watts

* The grid- and the plate-return lead are connected to the mid-tap of the filament winding or to the center-tap of a 20-ohm resistor across the winding.

□ With average power input of 950 milliwatts applied between grids.

□□ With average power input of 650 milliwatts applied between grids.

AMPLIFIER - Class A₁

Grid #2 connected to plate at socket

Operating Conditions and Characteristics:

Filament	2.5	a-c volts
Plate	250	max. volts
Grid **	-33	volts
Amp. Fact.	5.6	
Plate Res.	2380	ohms
Transcond.	2350	μmhos
Plate Cur.	22	ma.
Load Res. ◊	6400	ohms
U.P.O.	1.25	watts

◊ Optimum for maximum U.P.O. Approximately twice this value is recommended for load of this tube when used as driver for class B stage.

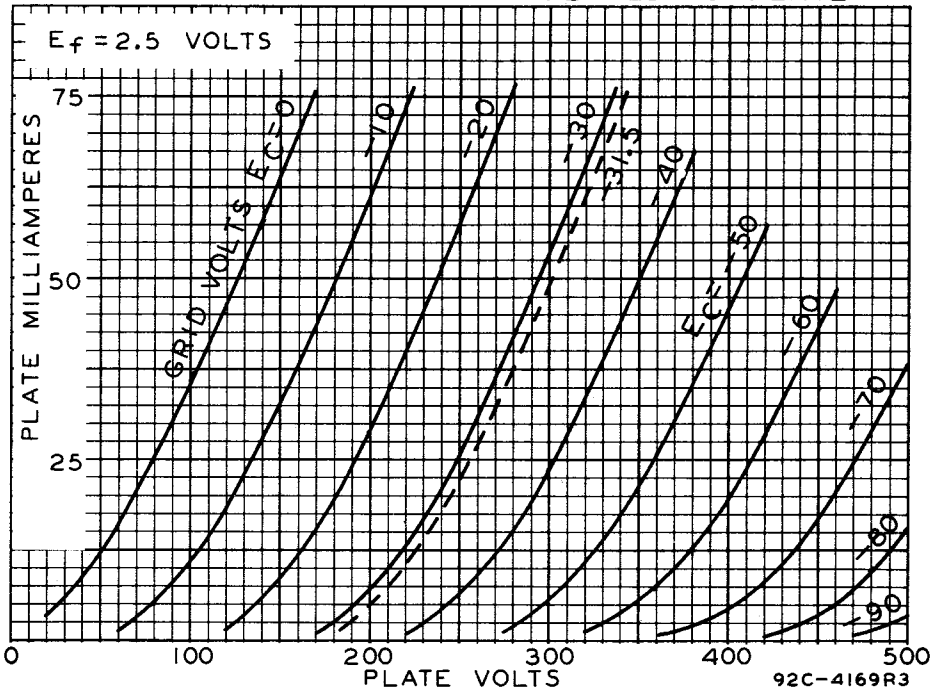
** Grid volts measured from mid-point of a-c operated filament.

◊ Horizontal operation permitted if Pins No.1 and No.5 are in a vertical plane.

← Indicates a change.



AVERAGE PLATE CHARACTERISTICS CLASS A OPERATION-GRID NO2 TIED TO PLATE



AVERAGE PLATE CHARACTERISTICS CLASS B OPERATION-GRIDS TIED TOGETHER

