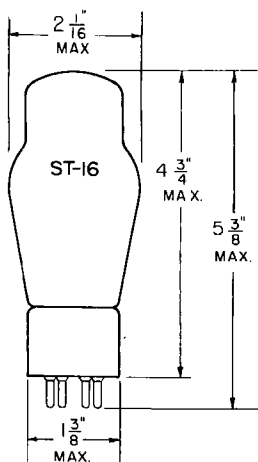


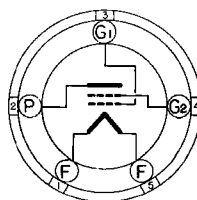
## TUNG-SOL

## TETRODE



GLASS BULB

COATED FILAMENT

2.5 VOLTS 1.75 AMP.  
AC OR DCVERTICAL MOUNTING POSITION  
HORIZONTAL OPERATION PERMITTED IF PINS  
#1 AND #5 ARE IN A VERTICAL PLANE.BOTTOM VIEW  
MEDIUM  
5 PIN BASE  
5C

THE 46 IS A FILAMENT TYPE DOUBLE GRID POWER AMPLIFIER TUBE. IT IS ESPECIALLY DESIGNED FOR CLASS B OPERATION TO GIVE A LARGE AMOUNT OF UNDISTORTED POWER OUTPUT.

## RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

FILAMENT VOLTAGE	2.5	VOLTS
MAXIMUM PLATE VOLTAGE	400	VOLTS
MAXIMUM PEAK PLATE CURRENT	200	MA.
MAXIMUM AVERAGE PLATE DISSIPATION	10	WATTS

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

GRID CONNECTED TO PLATE AT SOCKET

FILAMENT VOLTAGE	2.5	VOLTS
FILAMENT CURRENT	1.75	AMP.
PLATE VOLTAGE (MAX.)	250	VOLTS
GRID VOLTAGE	-33	VOLTS
AMPLIFICATION FACTOR	5.6	
PLATE RESISTANCE	2 380	OHMS
TRANSCONDUCTANCE	2 350	μMHOS
PLATE CURRENT	22	MA.
LOAD RESISTANCE	6 400	OHMS
POWER OUTPUT	1.25	WATTS

CONTINUED ON FOLLOWING PAGE

→ INDICATES A CHANGE.

## TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS<sup>A</sup>

## CLASS B AMPLIFIER

GRIDS CONNECTED TOGETHER AT SOCKET

FILAMENT VOLTAGE	6.3	6.3	VOLTS
FILAMENT CURRENT	1.75	1.75	AMP.
PLATE VOLTAGE	300	400	VOLTS
GRID VOLTAGE	0	0	VOLTS
PEAK AF GRID TO GRID VOLTAGE	113	116	VOLTS
ZERO-SIGNAL DC PLATE CURRENT (EACH TUBE)	4	6	MA.
LOAD RESISTANCE (EACH TUBE)	1 300	1 450	OHMS
EFFECTIVE PLATE-TO-PLATE LOAD RESISTANCE	5 200	5 800	OHMS
POWER OUTPUT (APPROX.)	16 <sup>B</sup>	20 <sup>C</sup>	WATTS

<sup>A</sup> VALUES ARE FOR TWO TUBES UNLESS OTHERWISE SPECIFIED.<sup>B</sup> WITH AVERAGE POWER INPUT OF 950 MW. APPLIED BETWEEN GRIDS.<sup>C</sup> WITH AVERAGE POWER INPUT OF 650 MW. APPLIED BETWEEN GRIDS.