TWIN-PENTODE POWER AMPLIFIER

UNIPOTENTIAL CATHODE
HEATER
12.6 VOLTS 0.15 AMPERES


RATINGS
HEATER OR FILAMENT VOLTAGE (AC OR DC) 12.6 VOLTS
HEATER OR FILAMENT CURRENT 0.15 AMP.
MAXIMUM PLATE VOLTAGE EACH UNIT 180 VOLTS
MAXIMUM SCREEN VOLTAGE " " 180 VOLTS
MAXIMUM PLATE DISSIPATION " " 2.5 WATTS
MAXIMUM SCREEN DISSIPATION " " 1.0 WATT
MAXIMUM D-C HEATER-CATHODE POTENTIAL 100 VOLTS

DIRECT INTERELECTRODE CAPACITANCES (WITH NO EXTERNAL SHIELD)
PENTODE UNIT P1 PENTODE UNIT P2
CONTROL GRID TO CATHODE 5.0 5.0 µµF
PLATE TO CATHODE 6.0 6.0 µµF
GRID TO PLATE 0.7 0.7 µµF
GRID TO GRID 0.08 µµF
PLATE TO PLATE 1.5 µµF
GRID OF P1-PLATE OF P2 0.2 µµF
GRID OF P2-PLATE OF P1 0.1 µµF

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
CLASS A AMPLIFIER (EACH SECTION)
HEATER OR FILAMENT VOLTAGE 12.6 VOLTS
HEATER OR FILAMENT CURRENT 0.15 AMP.
PLATE VOLTAGE 180 VOLTS
SCREEN VOLTAGE 180 VOLTS
CONTROL GRID VOLTAGE -9 VOLTS
PEAK AF SIGNAL VOLTAGE 9 VOLTS
ZERO-SIGNAL PLATE CURRENT 13 MA.
ZERO-SIGNAL SCREEN CURRENT 2.8 MA.
MAXIMUM-SIGNAL PLATE CURRENT 13.5 MA.
MAXIMUM-SIGNAL SCREEN CURRENT 4.6 MA.
PLATE RESISTANCE 0.16 MEGOHM
TRANSCONDUCTANCE 2150 MMHMS
LOAD RESISTANCE 10000 OHMS
TOTAL HARMONIC DISTORTION 10 PER CENT
POWER OUTPUT 1 WATT

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