15E Power Triode

Mechanical Data

EIA Base F51

Electrical Data

Heater Voltage ..... 5.5 V
Heater Current ..... 4.2 A

Direct Interelectrode Capacitances (approx)

Triode
Input ..... 1.4 pf
Output ..... 0.3 pf
Grid to Plate ..... 1.15 pf

Maximum Ratings (Design Center Values)

Triode
Plate Dissipation ..... 20 W

Characteristics and Typical Operation

Class C Oscillator/Amplifier
Plate Voltage ..... 2000 V
Grid No. 1 Voltage ..... -130 V
Grid No. 1 Current ..... 18 mA
Plate Current ..... 63 mA
Driving Power ..... 4.0 W
Power Output (approx) ..... 100 W

Class C Oscillator/Amplifier
Plate Voltage ..... 1500 V
Grid No. 1 Voltage ..... -95 V
Grid No. 1 Current ..... 13 mA
Plate Current ..... 67 mA
Driving Power ..... 2.2 W
Power Output (approx) ..... 75 W

Class C Oscillator/Amplifier
Plate Voltage ..... 1000 V
Grid No. 1 Voltage ..... -70 V
Grid No. 1 Current ..... 9 mA
Plate Current ..... 72 mA
Driving Power ..... 1.3 W
Power Output (approx) ..... 47 W

Push Pull Class B Amplifier
Plate Voltage ..... 2000 V
Grid No. 1 Voltage ..... -80 V
Grid No. 1 Current ..... 270 Vgg mA
Plate Current (Zero Signal) ..... 16 mA
Plate Current (Maximum Signal) ..... 80 mA
Driving Power ..... 0.7 W
Load Resistance ..... 55.5K Ω
Power Output (approx) ..... 110 W