HIGH-MU TRIODE AMPLIFIER

COATED UNIPOTENTIAL CATHODE

HEATER
12.6 VOLTS  0.15 AMPERE
AC OR DC

ANY MOUNTING POSITION

GLASS BULB

BOTTOM VIEW
INTERMEDIATE SHELL
5-PIN OCTAL

THE 12F5GT IS A GENERAL PURPOSE HIGH AMPLIFICATION FACTOR TRIODE. EXCEPT FOR THE HEATER RATING, ITS ELECTRICAL CHARACTERISTICS ARE IDENTICAL TO THOSE OF THE 6F5GT.

RATINGS
INTERPRETED ACCORDING TO RMA STANDARD WR-210

HEATER VOLTAGE 12.6 VOLTS
HEATER CURRENT 0.15 AMPERES
MAX. PLATE VOLTAGE 500 VOLTS
HEATER-CATHODE VOLTAGE AS LOW AS POSSIBLE

DIRECT INTERELECTRODE CAPACITANCES (APPROX.)
WITH SHELL CONNECTED TO CATHODE

GRID TO PLATE 2.8 μF
GRID TO CATHODE 2.2 μF
PLATE TO CATHODE 3.2 μF

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
CLASS A1 AMPLIFIER

PLATE VOLTAGE 100 250 VOLTS
GRID VOLTAGE -1 -2 VOLTS
PLATE CURRENT 0.4 0.9 MA.
PLATE RESISTANCE 65 000 66 000 OHMS
TRANSCONDUCTANCE 1150 1500 μMhos
AMPLIFICATION FACTOR 100 100

CONTINUED ON FOLLOWING PAGE
**Zero-Bias Resistance-Coupled Amplifier Class A1**

| HEATER VOLTAGE | 6.5 | 6.3 | VOLTS |
| PLATE SUPPLY VOLTAGE | 100 | 300 | VOLTS |
| GRID LEAK | 10 | 10 | MEGOHM |
| LOAD RESISTANCE | 0.25 | 0.25 | MEGOHM |
| COUPLING CAPACITOR | 0.01 to 0.005 | 0.01 to 0.005 | µF |
| GRID RESISTOR FOR FOLLOWING TUBE | 0.5 | 1.0 | 0.5 | 1.0 | MEGOHM |
| VOLTAGE GAIN | 48 | 52 | 66 | 71 |
| VOLTAGE OUTPUT (RMS) AT 5 PER CENT HARMONIC DISTORTION | 7.0 | 8.5 | 44 | 50 | VOLTS |

**Similar Type Reference:** Except for heater ratings, same characteristics and application as types 6F5, 6F5G, 6F5GT, 6F6, 68F5GT; same characteristics as types 12AF5, 12AF5G, 784.