7F7
HIGH-MU TWIN TRIODE

GENERAL DATA

Electrical:

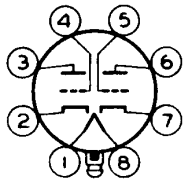
Heater, for Unipotential Cathodes:		
Voltage	6.3□	ac or dc volts
Current	0.3□□	amp
Direct Interelectrode Capacitances:*		←
Each Unit:		
Grid to Plate	1.6	μμf
Grid to Cathode	2.4	μμf
Plate to Cathode	2.0	μμf
Grid to Grid	0.2 max.	μμf
Plate to Plate	1.0 max.	μμf

* With external shield connected to cathode.

Mechanical:

Mounting Position	Any
Maximum Overall Length	2-25/32"
Maximum Seated Length	2-1/4"
Maximum Diameter	1-3/16"
Bulb	T-9
Base	Lock-in 8-Pin
Basing Designation for BOTTOM VIEW	8AC

Pin 1 - Heater
Pin 2 - Cathode of Unit No.2
Pin 3 - Plate of Unit No.2
Pin 4 - Grid of Unit No.2
Pin 5 - Grid of Unit No.1



Pin 6 - Plate of Unit No.1
Pin 7 - Cathode of Unit No.1
Pin 8 - Heater

Plug - Base Shell

AMPLIFIER - Class A_1

Values are for each unit

Maximum Ratings, ***Design-Center Values:***

PLATE VOLTAGE	300 max.	volts ←
PLATE DISSIPATION	1.0 max.	watt
GRID VOLTAGE:		
Positive bias value	0 max.	volts
PEAK HEATER-CATHODE VOLTAGE:		←
Heater negative with respect to cathode	90 max.	volts
Heater positive with respect to cathode	90 max.	volts

Characteristics: ←

Plate Voltage	100	250	volts
Grid Voltage	-1	-2	volts
Amplification Factor	70	70	
Plate Resistance (Approx.)	62000	44000	ohms
Transconductance	1125	1600	μmhos
Plate Current	0.65	2.3	ma

□ Nominal voltage = 7.0 volts. □□ Nominal current = 0.32 ampere.

← Indicates a change.