14AF7

MEDIUM-MU TWIN TRIODE

GENERAL DATA

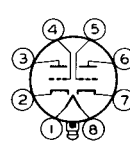
Electrical:

Heater, for Unipotential Cathodes:		
Voltage	12.6[□]	ac or dc volts
Current	0.15[□□]	amp
Direct Interelectrode Capacitances:[○]		
Each Unit:		
Grid to Plate	2.3	μμf
Grid to Cathode	2.2	μμf
Plate to Cathode	1.6	μμf
Grid of Unit No.1 to Grid of Unit No.2	0.20 max.	μμf
Plate of Unit No.1 to Plate of Unit No.2	0.60 max.	μμf
Grid of Unit No.1 to Plate of Unit No.2	0.06 max.	μμf
Grid of Unit No.2 to Plate of Unit No.1	0.10 max.	μμf

[○] Without external shield.

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 Triode No.2
Pin 3 - Plate of Triode No.2
Pin 4 - Grid of Triode No.2
Pin 5 - Grid of Triode No.1
Pin 6 - Plate of Triode No.1
Pin 7 - Cathode of Triode 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	2.5 max.	watts
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

Typical Operation and Characteristics:

Plate Voltage	100	100	250	volts
Grid Voltage	0	-	-	volts
Cathode-Bias Resistor	-	600	1100	ohms

[□] Nominal voltage = 14.0 volts.
[□□] Nominal current = 0.16 ampere.

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(continued from preceding page)				
Amplification Factor	17	16	16	
Plate Resistance	6500	8400	7600	ohms
Transconductance	2600	1900	2100	μmhos
Plate Current.	10.8	5	9	ma