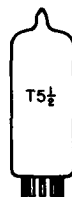
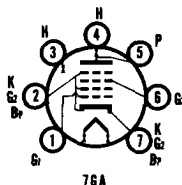


6FS5**2FS5, 3FS5****VHF AMPLIFIER****Shadow-Grid Beam Pentode**

Construction Miniature T-5½
 Base Button 7 Pin, E7-1
 Basing 7GA
 Outline 5-2
 Maximum Diameter 0.750 In.
 Maximum Seated Height 1.875 In.
 Maximum Overall Height 2.125 In.

**ELECTRICAL DATA****HEATER OPERATION**

	2FS5	3FS5	6FS5
Heater Voltage.....	2.4	2.9	6.3 Volts
Heater Current.....	600	450	200 Ma
Heater Warm-up Time.....	11	11	— Seconds
Maximum Heater-Cathode Voltage			
Heater Negative with Respect to Cathode			
Total DC and Peak.....			200 Volts
Heater Positive with Respect to Cathode			
DC.....			100 Volts
Total DC and Peak.....			200 Volts

DIRECT INTERELECTRODE CAPACITANCES

	Shielded ⁽¹⁾	Unshielded
Grid No. 1 to Plate: (g1 to p).....	0.016	0.03 Pf
Input: g1 to (h + k + g2 + g3 + b.p.).....	4.8	4.8 Pf
Output: p to (h + k + g2 + g3 + b.p.).....	2.8	2.0 Pf
RATINGS (Design Maximum Rating System)		
Plate Voltage (Max.).....		300 Volts
Screen Voltage (Max.).....		150 Volts
Positive DC Grid-No. 1 Voltage (Max.).....		0 Volt
Negative DC Grid-No. 1 Voltage (Max.).....		50 Volts
Plate Dissipation (Max.).....		3.25 Watts
Screen Dissipation (Max.).....		0.15 Watt
DC Cathode Current (Max.).....		20 Ma
Grid No. 1 Circuit Resistance		
Fixed Bias.....		0.5 Megohm

CHARACTERISTICS AND TYPICAL OPERATION

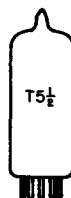
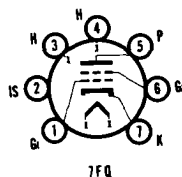
Plate Voltage.....	275 Volts
Screen Voltage.....	135 Volts
Grid No. 1 Voltage.....	-0.2 Volt
Plate Resistance (Approx.).....	0.24 Megohm
Transconductance.....	10,000 μ mhos
Plate Current.....	9 Ma
Screen Current.....	0.17 Ma
Grid No. 1 Voltage (Approx.).....	-5 Volts
Gm = 100 μ mhos.....	

NOTE:

(1) With external shield (EIA 316) connected to pin 7.

6FV6**2FV6****VHF AMPLIFIER****Sharp Cutoff Tetrode**

Construction Miniature T-5½
 Base Button 7 Pin, E7-1
 Basing 7FQ
 Outline 5-2
 Maximum Diameter 0.750 In.
 Maximum Seated Height 1.875 In.
 Maximum Overall Height 2.125 In.



ELECTRICAL DATA
HEATER OPERATION

	2FV6	6FV6
Heater Voltage.....	2.4	6.3 Volts
Heater Current.....	600	200 Ma
Heater Warm-up Time.....	11	— Seconds
Maximum Heater-Cathode Voltage		
Heater Negative with Respect to Cathode		
Total DC and Peak.....		200 Volts
Heater Positive with Respect to Cathode		
DC.....		100 Volts
Total DC and Peak.....		200 Volts

DIRECT INTERELECTRODE CAPACITANCES (Shielded)⁽¹⁾

Grid No. 1 to Plate (Max.).....	0.03 Pf
Input.....	4.5 Pf
Output.....	3.0 Pf

RATINGS (Design Maximum Rating System)

Plate Voltage (Max.).....	275 Volts
Grid No. 2 Supply Voltage (Max.).....	180 Volts
Grid No. 2 Voltage.....	See Rating Chart (Gen. Info. Sec.)
Positive Grid No. 1 Voltage (Max.).....	0 Volt
Plate Dissipation (Max.).....	2.0 Watts
Grid No. 2 Input (Max.).....	0.5 Watt
Cathode Current (Max.).....	20 Ma
Grid No. 1 Circuit Resistance (Self Bias) (Max.).....	0.5 Megohm

CHARACTERISTICS AND TYPICAL OPERATION

Plate Voltage.....	125 Volts
Grid No. 2 Voltage.....	80 Volts
Grid No. 1 Voltage.....	-1 Volt
Plate Current.....	10 Ma
Grid No. 2 Current.....	1.5 Ma
Transconductance.....	8000 μ mhos
Plate Resistance.....	0.1 Megohm
Grid No. 1 Voltage for $I_b = 20 \mu$ a.....	-6 Volts

NOTE:

(1) Shield No. 316 connected to cathode.

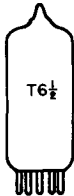
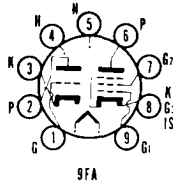
VERTICAL DEFLECTION OSC. (T)
IF/GEN. PURPOSE AMP. (P)

6FV8A

5FV8

Medium Mu Triode and
Sharp Cutoff Pentode

Construction.....	Miniature T-6 $\frac{1}{2}$
Base.....	Button 9 Pin, E9-1
Basing.....	9FA
Outline.....	6-2
Maximum Diameter.....	0.875 In.
Maximum Seated Height.....	1.937 In.
Maximum Overall Height.....	2.187 In.



ELECTRICAL DATA
HEATER OPERATION

	5FV8	6FV8A
Heater Voltage.....	4.7	6.3 Volts
Heater Current.....	600	450 Ma
Heater Warm-up Time.....	11	11 Seconds
Maximum Heater-Cathode Voltage		
Heater Negative with Respect to Cathode		
Total DC and Peak.....		200 Volts
Heater Positive with Respect to Cathode		
DC.....		100 Volts
Total DC and Peak.....		200 Volts

DIRECT INTERELECTRODE CAPACITANCES

	Shielded ⁽¹⁾	Unshielded
Triode Section		
Grid to Plate.....	1.8	1.8 Pf
Input: g to (h + Tk + IS).....	2.8	2.8 Pf
Output: p to (h + Tk + IS).....	2.0	1.5 Pf
Pentode Section		
Grid No. 1 to Plate (Max.).....	0.010	0.020 Pf
Input: g1 to (h + Pk + g2 + g3 + IS).....	5.0	5.0 Pf