

POWER PENTODE TYPE 60FX5

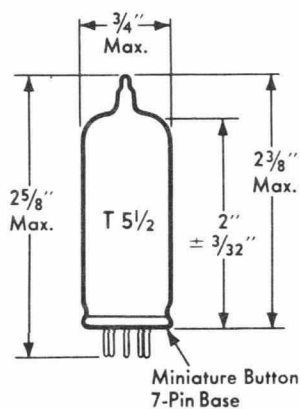
The 60FX5 is a 7-pin miniature power pentode type designed for service as audio output tube in record players. The out-standing feature of this type is high power sensitivity permitting very low drive voltage.

ELECTRICAL:

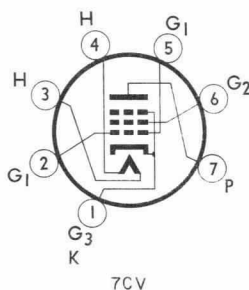
Cathode	Coated Unipotential
Heater:	
Voltage (ac or dc)	60 ± 10% Volts
Current	0.10 Ampere
Direct Interelectrode Capacitances (Unshielded):	
Grid 1 to Plate	0.65 $\mu\mu\text{f}$
Input	17 $\mu\mu\text{f}$
Output	9 $\mu\mu\text{f}$

MECHANICAL:

Bulb	T-5½
Base	7-Pin Miniature (JEDEC E7-1)
Outline	5-3
Basing	7CV
Mounting Position	Any



Miniature Button
7-Pin Base



MAXIMUM RATINGS:

Design Maximum Values

Plate Voltage	150	max.	Volts
Grid 2 Voltage (Screen)	130	max.	Volts
Grid 1 Positive Voltage	0	max.	Volts
Plate Dissipation	5.5	max.	Watts
Grid 2 Dissipation	2	max.	Watts
Bulb Temperature □	225	max.	°C
Grid 1 Circuit Resistance:			
Fixed Bias	0.1	max.	Megohms
Cathode-Resistor Bias	0.5	max.	Megohms

Heater-Cathode Voltage:

Heater Negative with Respect to Cathode:

Total DC + Peak	200	max.	Volts
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Heater Positive with Respect to Cathode:

DC Component	100	max.	Volts
Total DC + Peak	200	max.	Volts

TYPICAL OPERATING CHARACTERISTICS:

Plate Voltage	110	Volts
Grid 2 Voltage	115	Volts
Cathode Bias Resistor	62	Ohms
Peak AF-Signal Grid 1 Voltage	3	Volts
Zero-Signal Plate Current	36	Ma.
Max.-Signal Plate Current	35	Ma.
Zero-Signal Grid 2 Current (Screen)	10	Ma.
Max.-Signal Grid 2 Current (Screen)	12	Ma.
Plate Resistance (Approx.)	17500	Ohms
Transconductance	13500	μmhos
Load Resistance	3000	Ohms
Power Output	1.3	Watts
Total Harmonic Distortion	8	Per Cent

NOTE

- High ambient temperature and shielding may necessitate a reduction in operating dissipation. When tube shields are used, it is advisable to paint both inside and outside surfaces of the tube shield a dull black and to provide ventilation slots to reduce operating temperature.

