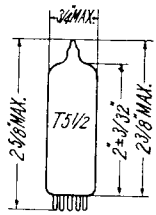
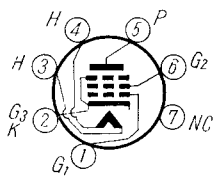
4M-P12 is a power amplifier pentode designed for use in the audio output stage of transformer-less television receivers. A large ouput can be obtained from a comparatively small input voltage.

BASE E7-1 Miniature Button 7-Pin
MOUNTING POSITION—Any
HEATER

Voltage	4.7	(V)
Current	0.6	(V)
Warm-up Time	11	(sec)





MAXIMUM RATINGS (Design Center Values)		
Plate Voltage	250	(V)
Grid No. 2 Voltage	250	(V)
Plate Dissipation	8.5	(W)
Grid No. 2 Dissipation	2.5	(W)
Peak Heater—Cathode Voltage		
Heater negative with respect to cathode	200	(V)
Heater positive with respect to cathode	200△	(V)

△ The D.C. component must not exceed 100 volts.

TYPICAL OPERATION		
Plate Voltage	180	(V)
Grid No. 2 Voltage	180	(V)
Grid No. 3 Voltage	−6	(V)
Peak AF Grid No. 1 Voltage	6	(V)
Plate Current Zero-Signal	25	(mA)
Grid No. 2 Current Zero-Signal	5.0	(mA)
Transconductance	5,500	(μʊ)
Plate Resistance (Approx.)	100	(kΩ)
Load Resistance	6	(kΩ)
Max.-Signal Power Output	2.0	(W)
Total Harmonic Distortion	10	(%)

AVERAGE PLATE CHARACTERISTICS

