



ELECTRONIC TUBE REFERENCE

5812

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Instant-heating miniature 10-watt beam pentode power tube intended for both RF and audio-frequency power service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6 V / 650 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	63000 Ω
AMPLIFICATION FACTOR	5.5
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	10 W
<i>Promoted ratings/characteristics from 5812.pdf.</i>	

INSTANT-HEATING R-F BEAM PENTODE The 5812 is an instant-heating, 10-watt, miniature beam-pentode power tube for use in r-f and a-f service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1944 Hytron

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1944 HYTRON

Section 1 · Beam Power

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	6 V	Published nominal value

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid 1 to plate capacitance	0.2 pF	Maximum
Input capacitance	9 pF	—
Output capacitance	7.4 pF	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heating Time	2 s	Approximate

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Current	60 mA	Class C RF maximum