



ELECTRONIC TUBE REFERENCE

5516

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Instant-heating filamentary 15-watt transmitting beam pentode intended for compact RF power service requiring rapid warm-up.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 700 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.004 S
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	15 W
<i>Promoted ratings/characteristics from 5516.pdf.</i>	

DE INSTANT-HEATING FILAMENTARY ⚡ The 5516 is an instant-heating filamentary-type 15-watt transmitting beam pentode.



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	0.12 pF	Maximum
Input capacitance	8.5 pF	—
Output capacitance	6.5 pF	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heating Time	2 s	Approximate

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Current	90 mA	Class C RF maximum

TUBE TINKER

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and their source documents.

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