



ELECTRONIC TUBE REFERENCE

5831

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Water-cooled super-power beam triode with thoriated-tungsten filament for very-high-power radio-frequency and audio-frequency service.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	16000 V
MAXIMUM PLATE DISSIPATION	150000 W
MAXIMUM CATHODE CURRENT	41 A
<i>Water-cooled super-power beam triode; plate dissipation stored in watts.</i>	

Water-cooled super-power beam triode with thoriated-tungsten filament for very-high-power RF and AF service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1940 RCA

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

1940 RCA

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PlateInputMaximum	650 kW	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	RFPowerAmplifier_AFModulator text	—