



ELECTRONIC TUBE REFERENCE

40RS40

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

High-current pulse tetrode with approximately 60 W anode dissipation, designed for pulse operation and pulse-generation service with very short duty-cycle pulses.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	25 V / 2.55 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM SCREEN VOLTAGE	1300 V
MAXIMUM PLATE DISSIPATION	60 W
MAXIMUM SCREEN DISSIPATION	8 W
MAXIMUM GRID DISSIPATION	6 W
MAXIMUM CATHODE CURRENT	150 mA
<i>Published ratings/characteristics promoted from the approved source.</i>	

Pulse tetrode with 60 W anode dissipation for pulse operation and pulse-generation service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

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

195X TESLA

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	25 V	Nominal
HeaterCurrentNominal	2.55 A	Nominal
Maximum Plate Voltage	20000 V	—
Maximum Screen Voltage	1300 V	—
Maximum Plate Dissipation	60 W	—
Maximum Screen Dissipation	8 W	—
Peak Anode Current	15 A	Pulse
MaximumPulseDuration	2 us	Pulse



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tesla Tubes

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

1966 TESLA TUBES

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	2.3 A–2.8 A	AC or DC
Maximum anode current	15 mA	—
Maximum peak anode current	15 A	Pulse

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum negative grid-filament voltage	750-800 V	—
Maximum control-grid voltage	250 V	—
Maximum pulse duration	2 us	Pulse
Maximum duty factor	0.001	Pulse
Maximum seal/base/cap temperature	180 degC	Cooling

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-filament capacitance	43 pF	—
Anode-related capacitance	0.33 pF	OCR label partly damaged; value clearly published

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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