



ELECTRONIC TUBE REFERENCE

7035

Power - Beam (NOT sweep) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Beam-power transmitting tube, explicitly related to the 4X150D, intended for professional RF power service with published frequency and power operating limits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	26.5 V / 580 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	250 W
MAXIMUM SCREEN DISSIPATION	12 W
MAXIMUM CATHODE CURRENT	250 mA
<i>forced-air-cooled beam-power tube (alias of 4X150D)</i>	

The 7035 is a beam-power transmitting tube. The supplied datasheet was processed for heater or filament data, maximum ratings, operating characteristics, capacitances where published, and service-specific power or frequency data.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Voltage	2000 V	Forced-air-cooled RF service
Maximum DC Screen Voltage	400 V	Forced-air-cooled RF service
Plate Dissipation	250 W	Forced-air-cooled RF service
Screen Input	12 W	Forced-air-cooled RF service
Typical DC Plate Voltage	2000 V	Forced-air-cooled RF service
Typical DC Screen Voltage	300 V	Forced-air-cooled RF service
Useful Power Output	100 W	Forced-air-cooled RF service

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mu Factor, Screen to Control Grid	5	Forced-air-cooled RF service
Grid-No.1 to Plate Capacitance	0.05 pF	Forced-air-cooled RF service
Grid-No.1 to Cathode/Screen/Heater Capacitance	16 pF	Forced-air-cooled RF service
Plate to Cathode/Screen/Heater Capacitance	4.4 pF	Forced-air-cooled RF service