



ELECTRONIC TUBE REFERENCE

F6926J

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

ITT power triode in the F6926 family for Class C RF amplification. Approximately 6 kW plate dissipation and multi-kilovolt operation support several kilowatts of typical RF output in professional transmitter service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	15 V / 36 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	17
MAXIMUM PLATE VOLTAGE	6500 V
MAXIMUM PLATE DISSIPATION	6000 W
MAXIMUM CATHODE CURRENT	2 A
<i>Cooling: Water</i>	

Water-cooled power triode for modulator, radio-frequency amplifier, and oscillator service. The F-6926-J variant is supplied with an integral water jacket.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 ITT Industrial and Transmitting Tubes

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

1962 ITT INDUSTRIAL AND TRANSMITTING TUBES

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GridPlateCapacitance	20.5 pF	—
GridFilamentCapacitance	18 pF	—
PlateFilamentCapacitance	1.9 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Grid Voltage	-1.2 kV	ClassC
Maximum DC Plate Current	2 A	ClassC
Maximum DC Grid Current	250 mA	ClassC
Maximum Plate Input	12 kW	ClassC
Typical Power Output	7.25 kW	ClassC

TUBE TINKER

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and their source documents.

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