



ELECTRONIC TUBE REFERENCE

F132A

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Federal radiation-cooled power triode designed particularly for modulator service. Approximately 600 W plate dissipation and multi-kilovolt plate capability emphasize high-current audio-frequency power for moderate transmitter modulation applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	11 V / 13 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	10
MAXIMUM PLATE VOLTAGE	3500 V
MAXIMUM PLATE DISSIPATION	600 W
MAXIMUM GRID DISSIPATION	500 W
MAXIMUM CATHODE CURRENT	317 mA
<i>Highest applicable published maximum ratings promoted; service-specific operating points preserved as parameters.</i>	

Federal F-132-A radiation-cooled power triode designed for modulator service, with a 600 W anode dissipation rating.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 ITT

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

1962 ITT

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	10	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	3500 V	—
Maximum plate dissipation	600 W	—
Maximum cathode/plate current	317 mA	—
Maximum frequency for full ratings	0.02 MHz	—
Typical Class-A plate voltage	3500 V	—
Typical maximum-signal plate current	317 mA	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-plate capacitance	15 pF	—
Grid-filament capacitance	120 pF	—
Plate-filament capacitance	5.5 pF	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling method	Radiation	—



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AnodeCoolingMethod	Radiation	—
Maximum Anode Dissipation	600 W	Absolute maximum / applicable service

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GridPlateCapacitance	15 pF	—
GridFilamentCapacitance	12 pF	—

TUBE TINKER

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and their source documents.

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