



ELECTRONIC TUBE REFERENCE

F6697

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Forced-air-cooled counterpart to the F6696 high-power transmitting triode. Approximately 35 kW plate dissipation and 16 kV capability provide major professional RF power without a water-cooled anode.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	13 V / 205 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	16000 V
MAXIMUM PLATE DISSIPATION	35000 W

Three-electrode high-power tube with rugged coaxial stem structure for RF amplifiers, oscillators and Class B modulators; F-6697 uses a 35 kW forced-air-cooled anode-radiator assembly.



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
Cooling method	forced air	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-plate capacitance	55 pF	—
Grid-filament capacitance	76 pF	—
Plate-filament capacitance	2.7 pF	—

TUBE TINKER

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