



ELECTRONIC TUBE REFERENCE

862

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Three-electrode water-cooled transmitting power triode for RF amplifier, oscillator, and Class B modulator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	33 V / 207 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0172 S
AMPLIFICATION FACTOR	48
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM PLATE DISSIPATION	100000 W
Water-cooled transmitting triode; highest published service plate limit and dissipation promoted.	

Three-electrode water-cooled transmitting power tube for RF amplifier, oscillator and Class B modulator service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltageNominal	33 V	—
HeaterOrFilamentCurrentNominal	207 A	—
Maximum Plate Voltage	20000 V	—
Maximum Plate Dissipation	100000 W	WaterCooled

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	48	—
Transconductance	17200 μ S	PlateCurrent=3A