



ELECTRONIC TUBE REFERENCE

3C270A

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Industrial power triode intended for substantial radio-frequency power service. Manufacturer documentation places it in transmitting-class operation, with ratings and operating data centered on high-power RF amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	14 V / 6.2 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	1900 Ω
TRANSCONDUCTANCE	0.0084 S
AMPLIFICATION FACTOR	16
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM PLATE DISSIPATION	275 W
MAXIMUM CATHODE CURRENT	350 mA
Values transcribed from the approved datasheet; additional published data retained as parameters.	

RF transmitting triode.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid to anode	19 pF	Published direct interelectrode capacitance
Grid to filament	14.8 pF	Published direct interelectrode capacitance
Anode to filament	8.5 pF	Published direct interelectrode capacitance
Heater/filament nominal current	6.2 A	Nominal published value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Standard Valves

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

1947 STANDARD VALVES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency at full ratings	1.5 MHz	—
Push-pull power output	960 W	PushPull

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

