

ELECTRONIC TUBE REFERENCE

3Q150E

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Water-cooled high-power RF triode intended for substantial radio-frequency power service. Rated for roughly 5 kW plate dissipation, with published push-pull operation producing several kilowatts of output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	22 V / 30 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	2200 Ω
AMPLIFICATION FACTOR	18
MAXIMUM PLATE VOLTAGE	6000 V
MAXIMUM PLATE DISSIPATION	5000 W
MAXIMUM GRID DISSIPATION	100 W
MAXIMUM CATHODE CURRENT	1.5 A
Values transcribed from the approved datasheet; additional published data retained as parameters.	

Water-cooled high-power RF 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	24 pF	Published direct interelectrode capacitance
Grid to filament	25 pF	Published direct interelectrode capacitance
Anode to filament	3.1 pF	Published direct interelectrode capacitance
Heater/filament nominal current	30 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

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling method	Water	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Push-pull power output	3.75 kW	PushPull
Maximum anode voltage for anode modulation	4000 V	—