



ELECTRONIC TUBE REFERENCE

3Q331E

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Water-cooled very-high-power RF triode for amplifier and oscillator service in large transmitting installations.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	27.5 V / 600 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	750 Ω
AMPLIFICATION FACTOR	46
MAXIMUM PLATE VOLTAGE	17500 V
MAXIMUM PLATE DISSIPATION	160000 W
<i>Values transcribed from the approved datasheet; additional published data retained as parameters.</i>	

Water-cooled very-high-power RF amplifier/oscillator 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	98 pF	Published direct interelectrode capacitance
Grid to filament	145 pF	Published direct interelectrode capacitance
Anode to filament	7 pF	Published direct interelectrode capacitance
Heater/filament nominal current	600 A	Nominal published value

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