

ELECTRONIC TUBE REFERENCE

1L33

Specialized - Vacuum Capacitor electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CAPACITOR

Fixed vacuum capacitor documented for high-voltage RF oscillator, amplifier, neutralizing, coupling, and padding applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.4 V / 50 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Capacitor	
TRANSCONDUCTANCE	0.0014 S
MAXIMUM PLATE VOLTAGE	90 V
MAXIMUM SCREEN VOLTAGE	67.5 V
MAXIMUM PLATE DISSIPATION	0.7 W
MAXIMUM SCREEN DISSIPATION	0.2 W
MAXIMUM CATHODE CURRENT	12 mA
Published ratings and characteristics promoted from the source where directly stated.	

General Electric vacuum capacitor for high-voltage RF oscillator, amplifier, neutralizing, coupling, or padding service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Capacitor

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Component type	Vacuum capacitor	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	High-voltage RF capacitor	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

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

195X TESLA

Section 1 · Capacitor

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	1.4 V	Published nominal value
Heater or filament current	50 mA	Published nominal value
Transconductance	1.25 mA/V	Typical value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output power	230 mW	ClassA; 90 V plate operation

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1969 Tesla Manual of Electronic Tubes

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

1969 TESLA MANUAL OF ELECTRONIC TUBES

Section 1 · Capacitor

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power Output	230 mW	ClassA;OneTube
Power Output	325 mW	ClassB;PushPull;TwoTubes

TUBE TINKER

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and their source documents.

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