



ELECTRONIC TUBE REFERENCE

LZ319

Voltage - Triode Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TRIODE

Triode-pentode combination tube; available source material does not establish a narrower functional application confidently.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B9A	BASE PINS	9
NOMINAL HEATER	9 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.006 S
AMPLIFICATION FACTOR	50
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	1.7 W
MAXIMUM SCREEN DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	14 mA
<i>RF pentode mixer system.</i>	

SECTION2 Triode	
TRANSCONDUCTANCE	0.005 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	1.1 W
MAXIMUM CATHODE CURRENT	14 mA
<i>Low-mu triode oscillator system.</i>	

LZ319/PCF80 RF triode-pentode frequency changer for signal frequencies up to 250 MHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

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

1955 MARCONI

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Pentode Grid-All Capacitance	4.5 pF	—
Pentode Anode-All Capacitance	4 pF	—
Pentode Anode-Grid Capacitance	0.02 pF	—
Frequency Changer Maximum Signal Frequency	250 MHz	—
Typical IF Frequency	34 MHz	—

1955 MARCONI

Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Triode Grid-Cathode Capacitance	3 pF	—
Triode Anode-Cathode Capacitance	0.5 pF	—
Triode Anode-Grid Capacitance	2 pF	—
Typical Oscillator Voltage Minimum	2 V	—
Typical Oscillator Voltage Maximum	3 V	—

TUBE TINKER

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

