



ELECTRONIC TUBE REFERENCE

S21

Voltage - Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Screen-grid radio-frequency amplifier for receiving equipment. Its screened structure reduces feedback and improves high-frequency gain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	2 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
MAXIMUM PLATE VOLTAGE	150 V
<i>Published maximum ratings and characteristics audited; remaining useful numerical data retained in parameter table.</i>	

Screen-grid radio-frequency amplifier.

SOURCE OPERATING CONDITIONS

1955 Marconi

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

1955 MARCONI
Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
z FILAMENT VOLTS = [1]	2	z FILAMENT VOLTS = 2-0 MAX.
z FILAMENT VOLTS = [2]	0	z FILAMENT VOLTS = 2-0 MAX.
Published value [1]	6 A	6 FILAMENT CURRENT=-20 AMPERE
Published value [2]	-20 A	6 FILAMENT CURRENT=-20 AMPERE
ANODE VOLTS (EA)+ [1]	150	ANODE VOLTS (EA)+150 MAX. 20/-
ANODE VOLTS (EA)+ [2]	20	ANODE VOLTS (EA)+150 MAX. 20/-
Published value	5 mA/V	5% LI X MUTUAL CONDUCTANCE-I7S MA/YOLT . . .
N [1]	4	N 4 H [XAT E120 Es6-75.£6 = - 5 S.22 is a screen grid amplifier
N [2]	20	N 4 H [XAT E120 Es6-75.£6 = - 5 S.22 is a screen grid amplifier
N [3]	-75	N 4 H [XAT E120 Es6-75.£6 = - 5 S.22 is a screen grid amplifier
N [4]	6	N 4 H [XAT E120 Es6-75.£6 = - 5 S.22 is a screen grid amplifier
N [5]	5	N 4 H [XAT E120 Es6-75.£6 = - 5 S.22 is a screen grid amplifier
N [6]	22	N 4 H [XAT E120 Es6-75.£6 = - 5 S.22 is a screen grid amplifier
Published value [1]	5 pF	5 3 1 - L low self-capacity. It is ideal
Published value [2]	3 pF	5 3 1 - L low self-capacity. It is ideal
Published value [3]	1 pF	5 3 1 - L low self-capacity. It is ideal
S	21	S 21, Screen Grid,
S [1]	21	S.21 is a screen grid amplifier similar 40 N/ SCREEN VOLTS =Zgrggflm

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
S [2]	40	S.21 is a screen grid amplifier similar 40 N/ SCREEN VOLTS =Zgrggflm
in design to Marconi S [1]	22 ohm	in design to Marconi S.22, but in- ® IMPEDANCE * 200,000 DHMS
in design to Marconi S [2]	200000 ohm	in design to Marconi S.22, but in- ® IMPEDANCE * 200,000 DHMS
exceptionally small self-capacity en	30 pF	exceptionally small self-capacity en- 30/} ' =
current consumption is of particular g A == [1]	1 A	current consumption is of particular g A ==1f6= -1~
current consumption is of particular g A == [2]	6 A	current consumption is of particular g A ==1f6= -1~
current consumption is of particular g A == [3]	-1 A	current consumption is of particular g A ==1f6= -1~

TUBE TINKER

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