ELECTRONIC TUBE REFERENCE

R143

Voltage Pentode - High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Long-life professional pentode designed for voltage amplification, with high-frequency or wideband service where specified by the manufacturer.

General characteristics

BASE DESIGNATION	–	BASE PINS	9
NOMINAL HEATER	6.3 V / 240 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

Section ratings

SECTION1 Pentode	
PLATE RESISTANCE	800000 Ω
TRANSCONDUCTANCE	0.0055 S
MAXIMUM PLATE VOLTAGE	225 V
MAXIMUM SCREEN VOLTAGE	225 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM SCREEN DISSIPATION	0.4 W

Published ratings and characteristics promoted from the approved source.

Long-life voltage-amplifier pentode intended preferably for automatic-bias operation.

SOURCE OPERATING CONDITIONS

1953 La Radiotechnique

SOURCE PDF

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

1953 LA RADIOTECHNIQUE

Section 1 · Pentode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	**6.3 V**	Nominal
HeaterCurrentNominal	**240 mA**	Nominal
Maximum Plate Voltage	**225 V**	—
Maximum Screen Voltage	**225 V**	—
Maximum Plate Dissipation	**2 W**	—
Maximum Screen Dissipation	**0.4 W**	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	**5500 µS**	Typical
Amplification Factor	**4400**	Typical
Plate Resistance	**800000 ohm**	Typical