ELECTRONIC TUBE REFERENCE

EL152

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Radiation-cooled 85-watt transmitting pentode designed for short-wave and VHF RF power service, also usable for audio-frequency amplification.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	5
NOMINAL HEATER	6.3 V / 1.55 A	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Pentode	
TRANSCONDUCTANCE	0.004 S
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	40 W
MAXIMUM SCREEN DISSIPATION	5 W
MAXIMUM GRID DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	230 mA

Promoted values come from the supplied datasheet; additional ratings, characteristics, and operating points are retained in TUBE_SECTION_PARAMETER.

Radiation-cooled 85-watt transmitting pentode for short-wave and VHF RF service, also suitable for audio-frequency amplification.

SOURCE OPERATING CONDITIONS

1959 Telefunken

SOURCE PDF

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

1959 TELEFUNKEN

Section 1 · Pentode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate peak voltage	**3000 V**	—
Plate voltage	**1000 V**	RFAmplifier;f<=46MHz
Screen-grid voltage	**300 V**	RFAmplifier
Plate current	**100 mA**	RFAmplifier
RF output power	**83.5 W**	RFAmplifier
Maximum wavelength limit	**2.5 m**	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	**14.5 pF**	—
Output capacitance	**10 pF**	—
Grid-to-plate capacitance maximum	**0.09 pF**	—

Tube Tinker

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

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