



ELECTRONIC TUBE REFERENCE

95108

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Philips directly heated subminiature transmitting pentode designed for radiosondes. It can operate as a pentode or triode-connected oscillator around 30 MHz, combining compact RF transmission with specialized airborne meteorological service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Subminiature	BASE PINS	6
NOMINAL HEATER	1.25 V / 45 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	750000 Ω
TRANSCONDUCTANCE	0.00065 S
MAXIMUM PLATE VOLTAGE	120 V
MAXIMUM SCREEN VOLTAGE	120 V
MAXIMUM CATHODE CURRENT	16 mA
<i>Published ratings and characteristics promoted where semantically applicable; additional values retained as section parameters.</i>	

Philips 95108 is a directly heated subminiature transmitting pentode designed for radiosondes. It is specified both as a pentode and in triode-connected oscillator service around 30 MHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical anode voltage	45 V	Published datasheet value
Typical screen voltage	45 V	Published datasheet value
Typical control-grid voltage	-2.75 V	Published datasheet value
Typical anode current	0.875 mA	Published datasheet value
Typical screen current	0.2 mA	Published datasheet value
Amplification factor equivalent	9.3	Published datasheet value
Anode capacitance	2.1 pF	Published datasheet value
Grid capacitance	2.8 pF	Published datasheet value
Anode-grid capacitance	—0.15 pF	Published datasheet value
Life expectancy	5 h	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Triode-connected oscillator frequency	30 MHz	TriodeConnection
Triode-connected oscillator plate voltage	120 V	TriodeConnection
Triode-connected oscillator plate current	15 mA	TriodeConnection
RF output power	750 mW	TriodeConnection

TUBE TINKER

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

