



ELECTRONIC TUBE REFERENCE

DF703

Voltage Pentode or Tetrode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Telefunken directly heated subminiature electrometer pentode designed for circuits measuring extremely small grid currents. Its defining role is ultra-high-impedance instrumentation rather than conventional audio or RF amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	1.25 V / 10 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
MAXIMUM PLATE VOLTAGE	22.5 V
MAXIMUM SCREEN VOLTAGE	22.5 V
MAXIMUM CATHODE CURRENT	0.3 mA
<i>Electrometer pentode.</i>	

The Telefunken DF703 is a directly heated subminiature electrometer pentode designed for extremely low grid-current measurement circuits.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Telefunken

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

1959 TELEFUNKEN

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Combined Plate+Screen Current	0.2 mA	TriodeConnection
Triode-Connected Transconductance	175 uS	TriodeConnection
Triode-Connected Amplification Factor	1.8 ratio	TriodeConnection
Maximum Grid Current	0.0000000025 mA	—
Grid-to-Plate Capacitance	0.05 pF	—