

ELECTRONIC TUBE REFERENCE

7434

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Reliable subminiature low-noise-output pentode with flying leads for guided-weapon equipment. It combines reduced noise, miniature construction, and severe-vibration capability for sensitive signal stages in demanding military electronics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B8D/F	BASE PINS	8
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.0031 S
AMPLIFICATION FACTOR	28
MAXIMUM PLATE VOLTAGE	350 V
MAXIMUM SCREEN VOLTAGE	350 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM SCREEN DISSIPATION	0.4 W
MAXIMUM CATHODE CURRENT	12 mA
Promoted values are taken directly from the supplied datasheet; additional ratings, characteristics and operating points are preserved in TUBE_SECTION_PARAMETER.	

Reliable subminiature low-noise-output pentode with flying leads for guided-weapon equipment.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Pentode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate supply voltage maximum	350 V	—
Screen-grid supply voltage maximum	350 V	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	3.8 pF	ExternalShield
Output capacitance	4.4 pF	ExternalShield
Grid-to-plate capacitance maximum	0.3 pF	ExternalShield

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	100 V	—
Screen-grid voltage	100 V	—
Control-grid voltage	-1.4 V	—
Plate current	7 mA	—
Screen-grid current	2.4 mA	—
Transconductance	3100 uS	—
Screen-to-control-grid amplification factor	28 ratio	—
Maximum noise output voltage	200 mV	Vibration=20g;60-1000Hz

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker