



ELECTRONIC TUBE REFERENCE

7432

Voltage Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Reliable subminiature RF pentode with flying leads, designed for guided-weapon equipment. Mullard documentation specifies severe vibration capability, combining miniature RF amplification with reliability for demanding military electronic systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B8D/F	BASE PINS	8
NOMINAL HEATER	6.3 V / 175 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.005 S
AMPLIFICATION FACTOR	36
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
<i>Promoted values are taken directly from the supplied datasheet; additional ratings, characteristics and operating points are preserved in TUBE_SECTION_PARAMETER.</i>	

Reliable subminiature RF 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	—
Maximum shock	500 g	ShortDuration
Maximum operating altitude	60000 ft	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	4 pF	ExternalShield
Output capacitance	2.5 pF	ExternalShield
Grid-to-plate capacitance maximum	0.015 pF	ExternalShield

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	100 V	—
Screen-grid voltage	100 V	—
Plate current	7 mA	—
Screen-grid current	2.2 mA	—
Transconductance	5000 uS	—
Screen-to-control-grid amplification factor	36 ratio	—
Control-grid voltage	-1.4 V	—
Control-grid cutoff voltage	-8 V	Ia<50uA
Maximum noise output voltage	300 mV	Vibration=20g;60-1000Hz