



ELECTRONIC TUBE REFERENCE

M8161

Voltage - Pentode Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Special-quality rugged variable-mu RF pentode for gain-controlled equipment exposed to vibration and shock.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	900000 Ω
TRANSCONDUCTANCE	0.00245 S
AMPLIFICATION FACTOR	30
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	3 W
MAXIMUM SCREEN DISSIPATION	0.7 W
<i>Promoted values taken from published characteristics and absolute/limiting ratings.</i>	

SPECIAL QUALITY VARIABLE-MU R.F. PENTODE M I I Special quality variable-mu r.f. pentode for use in equip- ment where mechanical vibration and shocks are unavoid- able and where statistically controlled major electrical characteristics are required. This data should be read in conjunction with GENERAL NOTES— The supplied datasheet publishes electrical ratings and characteristics for this pentode device.



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
Heater or filament voltage	6.3 V	—
Heater or filament current	200 mA	—
MaxPlateVoltage	300	Promoted field source value
MaxScreenVoltage	300	Promoted field source value
MaxPlateDissipation	3	Promoted field source value
MaxScreenDissipation	0.7	Promoted field source value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	900000	Promoted field source value
Transconductance	0.00245	Promoted field source value
Amplification Factor	30	Promoted field source value

TUBE TINKER

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and their source documents.

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