

ELECTRONIC TUBE REFERENCE

M8196

Voltage Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Special-quality rugged dual-control pentode whose additional control electrode supports signal-control functions beyond ordinary amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
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	
PLATE RESISTANCE	150000 Ω
TRANSCONDUCTANCE	0.0032 S
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	155 V
MAXIMUM PLATE DISSIPATION	1.65 W
MAXIMUM SCREEN DISSIPATION	0.55 W
Promoted values taken from published characteristics and absolute/limiting ratings.	

M8196 SPECIAL QUALITY PENTODE Special quality dual control pentode for use in equipment where mechanical vibration and shocks are unavoidable and where statistically controlled major electrical characteristics are required. This data should be read in conjunction with the GENERAL NOTES—SPECIAL QUALITY VALVES which precede 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	175 mA	—
MaxPlateVoltage	200	Promoted field source value
MaxScreenVoltage	155	Promoted field source value
MaxPlateDissipation	1.65	Promoted field source value
MaxScreenDissipation	0.55	Promoted field source value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	150000	Promoted field source value
Transconductance	0.0032	Promoted field source value