



ELECTRONIC TUBE REFERENCE

8233

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Double-frame-grid power pentode for video, pulse, and deflection amplification in radar, television, microwave, and measurement equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	20000 Ω
TRANSCONDUCTANCE	0.045 S
AMPLIFICATION FACTOR	30
MAXIMUM PLATE DISSIPATION	10 W
<i>Promoted only where the locked section schema has a direct semantic match; remaining RF, audio-output, thyatron, rectifier, capacitance, and pulse values are retained in TUBE_SECTION_PARAMETER.</i>	

Double-frame-grid power pentode for video, pulse, or deflection amplifier service in microwave, radar, television, and measuring equipment.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	140 V	VideoPulseDeflectionAmplifier
Plate current	50 mA	VideoPulseDeflectionAmplifier
Control-grid voltage	-1.5 V	VideoPulseDeflectionAmplifier
Screen voltage	140 V	VideoPulseDeflectionAmplifier
Screen current	5.5 mA	VideoPulseDeflectionAmplifier
Plate dissipation	10 W	Section1

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	20000 Ω	Section1
Transconductance	45000 μS	Section1
Amplification factor	30	Section1

TUBE TINKER

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

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