

ELECTRONIC TUBE REFERENCE

YF183

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Frame-grid television IF-amplifier pentode documented by Amperex. Its specialized grid construction provides high transconductance for television intermediate-frequency amplification and other demanding wideband signal stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	4.4 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	500000 Ω
TRANSCONDUCTANCE	0.0125 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM SCREEN DISSIPATION	0.65 W
MAXIMUM CATHODE CURRENT	20 mA
Published ratings and characteristics mapped semantically from the source.	

YF183 is a Pentode device in the supplied Amperex literature. Frame-grid television IF-amplifier pentode; the supplied page publishes representative operating values.



SOURCE OPERATING CONDITIONS

1953 Amperex

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

1953 AMPEREX

Section 1 · Pentode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	9.5 pF	Published source value
Output capacitance	3 pF	Published source value
Plate-to-grid No. 1 capacitance	0.005 pF	Published source value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical plate voltage	200 V	Published source value
Typical screen-grid voltage	90 V	Published source value
Typical plate current	12 mA	Published source value
Typical screen-grid current	4.5 mA	Published source value



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	250 V	IF amplifier
Screen voltage	250 V	IF amplifier

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid voltage	-1.3 V	IF amplifier
Plate current	10 mA	IF amplifier
Screen current	4.1 mA	IF amplifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	15000 uS	IF amplifier
Plate resistance	50 kOhm	IF amplifier

TUBE TINKER

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and their source documents.

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