

ELECTRONIC TUBE REFERENCE

8463

Power - Pentode Single (NOT beam) (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Instant-heating RF power pentode for mobile transmitter amplification and frequency doubling to approximately 200 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	1.1 V / 1.05 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.0045 S
AMPLIFICATION FACTOR	8
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM SCREEN DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	50 mA
Promoted ratings and characteristics mapped from source tables.	

Instant-heating RF power pentode for mobile power-amplifier or frequency-doubler service up to 200 Mc.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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
FeedbackCapacitance	0.15 pF	Published direct interelectrode capacitance
Input Capacitance	6.5 pF	Published direct interelectrode capacitance
Output Capacitance	3.8 pF	Published direct interelectrode capacitance

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