ELECTRONIC TUBE REFERENCE

8506

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Metal-ceramic planar UHF triode for radio-frequency power-amplifier service. Its high transconductance and amplification factor around 110 combine strong gain with extremely low plate-to-cathode capacitance in compact high-frequency circuitry.

General characteristics

BASE DESIGNATION	—	**BASE PINS**	—
NOMINAL HEATER	6.3 V / 400 mA	**PARALLEL HEATER**	— / —
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode

TRANSCONDUCTANCE	0.029 S
AMPLIFICATION FACTOR	110
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	40 mA

Promoted fields are used only where the published value maps cleanly to the locked schema; device-specific microwave, pulse, photoelectric, camera, and indicator data are preserved as parameter rows.

Metal-ceramic planar UHF triode for radio-frequency power-amplifier service.

SOURCE OPERATING CONDITIONS

1964 RMA EIA

SOURCE PDF

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

1964 RMA EIA

Section 1 · Triode

CAPACITANCE		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Grid-to-plate capacitance	**2.5 pF**	—
Grid-to-cathode capacitance	**4.8 pF**	—
Plate-to-cathode capacitance	**0.025 pF**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Plate voltage maximum	**300 V**	—
Plate dissipation maximum	**5 W**	—
Grid current maximum	**2 mA**	—
Cathode current maximum	**40 mA**	—

CHARACTERISTICS		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Plate voltage	**200 V**	—
Cathode resistor	**40 Ohm**	—
Amplification factor	**110 ratio**	—
Transconductance	**29000 uS**	—
Plate current	**25 mA**	—
Grid voltage	**-3.5 V**	Ib=50uA

Tube Tinker

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

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