



ELECTRONIC TUBE REFERENCE

7806

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-power industrial transmitting triode in the 7804 family, designed for higher-voltage RF oscillator and power service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	8 V / 130 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	21
MAXIMUM PLATE VOLTAGE	12000 V
MAXIMUM PLATE DISSIPATION	15000 W
High-power industrial transmitting triode, same family as 7804 with higher-voltage operating point.	

7806 is a Triode device in the supplied Amperex literature. High-power industrial transmitting triode, same family as 7804 with higher-voltage operating point.

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	12000 V	RF/Industrial
Plate current	4.5 A	RF/Industrial
Output power	39300 W	RF/Industrial
Grid current	900 mA	RF/Industrial
Maximum frequency at full input rating	30 MHz	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	23.5 pF	—
Grid-to-filament capacitance	42.5 pF	—
Plate-to-filament capacitance	0.9 pF	—