



ELECTRONIC TUBE REFERENCE

7805

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Water-cooled version of the 7804 external-anode power triode, designed for high-power industrial RF oscillator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 130 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	17.5
MAXIMUM PLATE VOLTAGE	6000 V
MAXIMUM PLATE DISSIPATION	15000 W
<i>Water-cooled version of 7804.</i>	

7805 is a Triode device in the supplied Amperex literature. Water-cooled version of 7804.

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	6000 V	RF/Industrial
Plate current	3.3 A	RF/Industrial
Output power	14300 W	RF/Industrial
Grid current	800 mA	RF/Industrial
Maximum frequency at full input rating	30 MHz	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	40 pF	—
Grid-to-filament capacitance	40 pF	—
Plate-to-filament capacitance	1 pF	—