

ELECTRONIC TUBE REFERENCE

6252USN

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

U.S. Navy designation of the 6252 twin high-frequency tetrode, intended for RF amplifier, frequency-multiplier, and modulator service in military communications equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 650 mA	PARALLEL HEATER	6.3 V / 1.3 A
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
AMPLIFICATION FACTOR	8.5
MAXIMUM PLATE DISSIPATION	25 W
<i>Promoted only where the locked schema has a direct semantic match; remaining transmitting, premium-quality, audio, pulse, capacitance, and thyatron data are retained in TUBE_SECTION_PARAMETER.</i>	

U.S. Navy designation of the 6252 twin high-frequency tetrode for amplifier, multiplier, and modulator service.

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 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	600 V	RFPowerAmplifier;CCS;EachSection
Plate current	100 mA	RFPowerAmplifier;CCS;EachSection
Power output	42 W	RFPowerAmplifier;CCS
Control-grid voltage	-60 V	RFPowerAmplifier;CCS
Grid current	1.4 mA	RFPowerAmplifier;CCS
Screen voltage	250 V	RFPowerAmplifier;CCS
Plate voltage	750 V	RFPowerAmplifier;ICAS;EachSection
Plate current	150 mA	RFPowerAmplifier;ICAS;EachSection
Power output	79 W	RFPowerAmplifier;ICAS
Grid current	2 mA	RFPowerAmplifier;ICAS
Maximum frequency at full input	300 MHz	RFPowerAmplifier

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	4 pF	EachSection
Output capacitance	1.3 pF	EachSection