



ELECTRONIC TUBE REFERENCE

8348

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TETRODE-TETRODE

High-power transmitting tetrode designed for RF power amplification, linear amplification, oscillation, modulation, or frequency multiplication.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	16 V / 2.05 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.0033 S
AMPLIFICATION FACTOR	7.5
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	7 W
MAXIMUM SCREEN DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	65 mA
Representative row for two electrically identical tetrode sections.	

SECTION2 Tetrode	
TRANSCONDUCTANCE	0.0033 S
AMPLIFICATION FACTOR	7.5
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	7 W
MAXIMUM SCREEN DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	65 mA
<i>Second identical physical tetrode section; added to align rows with SectionCount.</i>	

The Telefunken 8348 is a quick-heating, internally neutralized twin tetrode for RF power amplification and frequency multiplication in mobile or fixed equipment.



SOURCE OPERATING CONDITIONS

1959 Telefunken

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

1959 TELEFUNKEN

Section 1 · Tetrode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	16 V	—
Heater Current	2.05 A	—
Heater Warmup Time	0.5 s	Maximum
Maximum Intended Frequency	200 MHz	—
Transconductance	33000 μ S	Each section

TUBE TINKER

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and their source documents.

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