

ELECTRONIC TUBE REFERENCE

KT33C

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Output tetrode designed for Class-A or push-pull Class-AB audio-frequency power amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	13 V / 600 mA	PARALLEL HEATER	13 V / 600 mA
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.01 S
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	13 W

Indirectly heated output tetrode for Class-A and push-pull Class-AB service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

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

1955 MARCONI

Section 1 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	13 V	—
Heater/Filament Current	600 mA	—
Transconductance	10000 μ S	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum/Published Anode Voltage	200 V	—
Maximum/Published Screen Voltage	200 V	—
Maximum Anode Dissipation	13 W	—
Maximum Published Power Output	15 W	Two-valve service where applicable
Single-Valve Output	5 W	200 V tetrode connection
Push-Pull Class AB Output	15 W	Two valves

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Anode Capacitance	1.2 pF	—
Anode-Cathode Capacitance	12 pF	—
Grid-Cathode Capacitance	19 pF	—

TUBE TINKER

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

