

ELECTRONIC TUBE REFERENCE

4045A

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Coplanar-grid power tetrode published under the 4045A designation. Its specialized grid geometry supports high-frequency power operation in professional electronic equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	5 V / 1.6 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
PLATE RESISTANCE	3600 Ω
AMPLIFICATION FACTOR	5.3
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	65 V
MAXIMUM PLATE DISSIPATION	45 W
MAXIMUM CATHODE CURRENT	45 mA
Ratings and characteristics extracted from 4A137B.pdf.	

Printed companion designation 4045A for coplanar-grid tetrode, also published as 4045A.

SOURCE OPERATING CONDITIONS

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Voltage	5 v	—
Nominal curren	1.6 A	—
Grid to anode	38 pF	—
Inpu	18 pF	—
Output	9.4 pF	—
Maximum direct anode curren	45 mA	—
screen and control grids	150 v	—
positive swing of input voltage	10 v	—
February 1946	4 A	—
February 1946	4 A	—
FILAMENT VOLTAGE =	5 VOLTS	—
SCREEN VOLTAGE =	70 VOLTS	—
February 1946	4 A	—
February 1946	4 A	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Va 145V Vg,	70 V	—

1947 Standard Valves

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

1947 STANDARD VALVES
Section 1 · Tetrode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GridToAnodeCapacitance	3.8 pF	—
Input Capacitance	18 pF	—
Output Capacitance	9.4 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumDirectAnodeCurrent	45 mA	—