



ELECTRONIC TUBE REFERENCE

QEP2018

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Pulse-modulator tetrode for high-voltage pulse systems. Its heater and electrode structure are optimized for substantial short-duration power rather than ordinary continuous amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	26 V / 2.25 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM SCREEN VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	60 W
MAXIMUM SCREEN DISSIPATION	8 W
<i>Pulse-modulator tetrode</i>	

Indirectly heated tetrode designed for pulse-modulator service with inductive or resistive loads. The Philips sheet specifies pulse and average anode limits, screen-grid ratings, capacitances, and thermal limits.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heating : indirect; oxide cathode vr	26 V	—
Chauffage: indirect; cathode a oxydes ir	2.25 A	—
gapacizgnces Cagt	0.3 pF	—
Va = max	20 kV	Modulator
Vap = max	25 kv	—
Vg2 = max,	1500 V	—
Vg1 = max.,	1000 V	—
Vgip = max,	300 V	—
Tap = max	18 A	—
Ta = max	60 W	—
Wia = max	360 W	—
Wg2 = max	8 W	—
Iap	< 5 A	—
Timgp = 2	2 us	—
Yba = 15,8	20 kV	—
Vg2 = 1250	1250 v	—
Vel = =600	600 V	—
Vel ygp = 700	700 V	—
Vap = 25	25 kv	—
Ia imp = 14	6 A	—
lap = 16	18 A	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Igz imp = 4	3 A	—
Igl imp = 1,1	1.1 A	—
Le tube ne fonctionnera pas plus longtemps que	5 us	—
dans chaque intervalle de	100 us	—
maximum rating of	60 W	—
liaximalwert von	60 W	—
B 1957.12.12	6 C	—