



ELECTRONIC TUBE REFERENCE

EQ80

Specialized - Uncategorized electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

OTHER

Multi-grid detector tube designed specifically for frequency- and phase-discriminator service in radio and television receiving circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Other

No fixed ratings recorded.

Primary functional section; see parameter rows for published operating conditions, ratings, and capacitances.

EQ80 is a multi-grid detector tube intended for frequency/phase-discriminator service, with an indirectly heated 6.3 V cathode.

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 · Other

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical datum	6.3 V	Chauffage: indirect par C.A. ou C.C.; $V_e = 6,3V$
Published electrical datum	4.5 pF	Capacitances $C_{g1} = 4,5 \text{ pF}$
Published electrical datum	6.3 pF	Kapazitäten $C_{g3} = 6,3 \text{ pF}$
Published electrical datum	817 pF	$c_{gS} = 817 \text{ pF}$
Published electrical datum	8.3 pF	$C_a = 8,3 \text{ pF}$
Published electrical datum	0.15 pF	$C_{ag3} < 0,15 \text{ pF}$
Published electrical datum	0.35 pF	$C_{ags} < 0,35 \text{ pF}$
Published electrical datum	0.4 pF	$C_{g3g5} < 0,4 \text{ pF}$
Published electrical datum	0.2 pF	$C_{g1it} < 0,2 \text{ pF}$
Published electrical datum	0.15 pF	$C_{g3r} < 0,15 \text{ pF}$
Published electrical datum	—	$V_{g3} = v$
Published electrical datum	-4 V	$V_{g5} = -4 \text{ V}$
Published electrical datum	12 veff	$V_{igs} = 12 \text{ veff}$
Published electrical datum	0.28 mA	$I_a = 0,28 \text{ mA}$
Published electrical datum	1.5 ma	$I_{g0+g4+26} = 1,5 \text{ ma}$
Published electrical datum	0.03 mA	$I_{g3} = 0,03 \text{ mA}$
Published electrical datum	0.03 mA	$I_{g5} = 0,03 \text{ mA}$
Published electrical datum	1 V	if the input voltage of the next stage V_i is = 1,0 V
Published electrical datum	1 V	pour V_i est & 1,0 V pour une puissance de 50 mW du
Published electrical datum	1 V	2 1,0 V eine Leistung von 50 mW der Endrdhre ergibt
Published electrical datum	—	Leistung von 50 m%W der Endrdhre ergibt

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical datum	—	(mA) EQ8

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical datum	—	V(g2+g4+g6) [] max. 250
Published electrical datum	22 MQ	Rgy1 = maX. 22 MQ.
Published electrical datum	22 MQ	Rg1 = max. 22 MQ.
Heater voltage	6.3 V	Nominal heater rating
Heater current	200 mA	Nominal heater rating

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