



ELECTRONIC TUBE REFERENCE

EIP12

Other (weirdo tubes) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

OTHER

One-shot evaporation ion pump incorporating a Bayard-Alpert gauge and zirconium getter filament, providing both vacuum pumping and independent pressure measurement.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Other

No fixed ratings recorded.

Evaporation ion pump with Bayard-Alpert gauge

One-shot evaporation ion pump incorporating a Bayard-Alpert gauge and zirconium getter filament. The gauge can also be used independently for pressure measurement; the sheet specifies pumping speed, pressure range, sensitivity, emission current, insulation resistance, and operating conditions.

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
Pressure range, pumping 107310	10711 torr	—
at	10 mA	—
emission current	0.4 Vs	—
Gauge emission current range 1l uA to	75 mA	—
tter ter	145 v	—
gauge [1]	550 V	—
gauge [2]	8 v	—
vl o oo 0y filament	8 v	—
measurement 100 A, [1]	1 mA	—
measurement 100 A, [2]	10 mA	—
outgassing	75 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
measurement and pumping outgassing	5 v	—
collector] getter collector oter	178 V	—
collector] getter collector oter	~28 v	—

TUBE TINKER

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and their source documents.

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