

ELECTRONIC TUBE REFERENCE

CIG82

Specialized - Gauge Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
GAUGE

Cold-cathode Penning ionization gauge head designed for vacuum-pressure measurement without a heated filament.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Gauge	
MAXIMUM PLATE VOLTAGE	2500 V
Cold-cathode Penning vacuum gauge head	

CIG82 is a cold-cathode penning vacuum gauge head. The supplied Philips datasheet was read for heater data, operating characteristics, limiting ratings, and section-level electrical information.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · Gauge

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode current	2 mA	PenningGauge
Maximum anode supply voltage	2500 V	PenningGauge