

ELECTRONIC TUBE REFERENCE

C12

Specialized - Ballast electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
BALLAST

Hydrogen-filled 200 mA barretter for series heater chains, automatically increasing resistance as voltage rises to maintain substantially constant current over selectable regulating ranges.

GENERAL CHARACTERISTICS

BASE DESIGNATION	P30	BASE PINS	–
NOMINAL HEATER	– / –	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Ballast
No fixed ratings recorded. Published ratings and characteristics promoted where semantically applicable; additional published values retained as section parameters.

Philips C12 is a 200 mA barretter/current-regulator tube used in series heater circuits to hold receiver heater current nearly constant over a specified voltage range.

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 · Ballast

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Regulated current	200 mA	Published datasheet value
Control/regulating range	80-200 / 35-100 V	Published datasheet value
Maximum working voltage	—200 V	Published datasheet value
Maximum voltage at switch-on	—250 V	Published datasheet value
Alternate maximum working voltage	—100 V	Contacts A-C
Alternate maximum switch-on voltage	—160 V	Contacts A-C

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Construction/use	dual connection ranges	Published datasheet value

TUBE TINKER

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