



ELECTRONIC TUBE REFERENCE

MC160

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Philips power triode intended for audio-frequency modulator service. Published operation provides about 22 W Class A or roughly 204 W from a two-tube Class B stage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 3.3 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0026 S
AMPLIFICATION FACTOR	12
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	75 W
MAXIMUM GRID DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	200 mA
Directly heated triode for modulator and low-frequency amplifier service.	

MC160 is a Triode device in the supplied Philips industrial literature. Directly heated triode for modulator and low-frequency amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V4

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V4

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode capacitance	4.3 pF	—
Grid capacitance	11 pF	—
Anode-grid capacitance	15.3 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance at 75mA	2600 uS	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	1000 V	ClassA; Modulator
Power output	22.3 W	ClassA; Modulator
Plate voltage	1000 V	ClassB; Modulator; TwoTubes
Power output	204 W	ClassB; Modulator; TwoTubes
Maximum grid dissipation	5 W	FixedBias
Maximum cathode current	200 mA	—
Maximum peak cathode current	800 mA	—

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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-grid capacitance	15.3 pF	—
Grid capacitance	11 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Class A modulator output power	22.3 W	ClassA
Class B modulator output power	204 W	ClassB TwoTubes