



ELECTRONIC TUBE REFERENCE

7119

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

High-current industrial twin triode with series/parallel heater connection, designed for applications requiring substantial cathode-current capability and moderate amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 400 mA	PARALLEL HEATER	6.3 V / 800 mA
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	15500 Ω
AMPLIFICATION FACTOR	24
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM CATHODE CURRENT	120 mA
<i>Published ratings and characteristics promoted from the supplied Rogers/Rogers Majestic source.</i>	

SECTION2 Triode	
PLATE RESISTANCE	15500 Ω
AMPLIFICATION FACTOR	24
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM CATHODE CURRENT	120 mA
<i>Second physical triode section; electrically identical twin section.</i>	

7119 is listed in the supplied Amperex material as a high-current twin triode. Published electrical ratings and operating data were captured from the supplied table.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Amperex Industrial

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

1958 AMPEREX INDUSTRIAL

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	330 V	Published Amperex table
Maximum plate current	60 mA	Published Amperex table
Maximum cathode current	120 mA	Published Amperex table

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	15500 ohm	Published Amperex table
Heater/filament voltage	6.3 V	Published Amperex table
Heater/filament current	800 mA	Published Amperex table
Series heater voltage	12.6 V	Published Amperex table
Series heater current	400 mA	Published Amperex table



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Rogers

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

1959 ROGERS

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	12.6 V	—
HeaterOrFilamentCurrent	320 mA	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published rating
Heater current	800 mA	Published rating
Series heater voltage	12.6 V	SeriesHeater
Series heater current	400 mA	SeriesHeater
Published characteristic value	6.7	PremiumQuality

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	300 V	PremiumQuality
Maximum plate current	60 mA	PremiumQuality