

Radiation-cooled industrial power triode for RF oscillator and amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 32.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0050999999999999995 S
AMPLIFICATION FACTOR	22
MAXIMUM PLATE VOLTAGE	7000 V
MAXIMUM PLATE DISSIPATION	800 W
Maximum ratings kept separate from typical operating characteristics; fixed fields use published maximum-rating values where clearly applicable.	

7092 is listed in the supplied Amperex material as a radiation-cooled industrial oscillator/amplifier triode. Published electrical ratings and operating data were captured from the supplied table.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 Amperex

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

1953 AMPEREX

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	6.3 V	—
Heater/Filament Current	32.5 A	—
Maximum Plate Voltage	7000 V	—
Maximum Plate Dissipation	800 W	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	5100 μ S	—
Amplification Factor	22	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

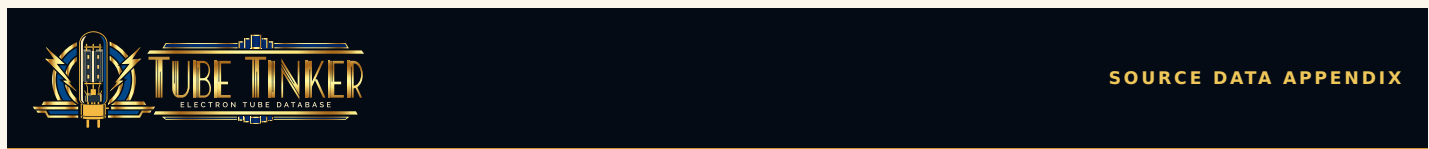
Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 AMPEREX CONDENSED

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6.3 V	Published rating
Heater/filament current	32.5 A	Published rating
Amplification factor	22	TransmittingService

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	800 W	TransmittingService
Plate voltage	6000 V	TransmittingService
Plate current	600 mA	TransmittingService
Power output	2840 W	TransmittingService
Grid bias	-450 V	TransmittingService
Grid current	150 mA	TransmittingService
Maximum frequency	50 MHz	FullInputWatts



SOURCE OPERATING CONDITIONS

1963 Siemens

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

1963 SIEMENS

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cgk	9.1 pF	—
Cak	0.25 pF	—
Cga	6.2 pF	—