



ELECTRONIC TUBE REFERENCE

889R

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Forced-air-cooled high-power triode for RF power amplification, oscillator operation, and Class B modulation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	11 V / 125 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	2000 Ω
TRANSCONDUCTANCE	0.01 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	8500 V
MAXIMUM PLATE DISSIPATION	5000 W
Explicit equivalent/previous designation published on ESA5000 datasheet.	

The Amperex 889R is a high-power triode intended for radio-frequency power amplification and related modulator or oscillator service.



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	11 V	Published datasheet value
Heater/Filament Current	125 A	Published datasheet value
Maximum Plate/Anode Voltage	8500 V	Published datasheet value
Maximum Plate/Anode Dissipation	5000 W	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	21	Published datasheet value



SOURCE OPERATING CONDITIONS

1961 Associated Electrical Industries

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

1961 ASSOCIATED ELECTRICAL INDUSTRIES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum operating frequency	25 MHz	—
Main air flow	500 ft ³ /min	—
Seal air flow	15 ft ³ /min	—

TUBE TINKER

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