



ELECTRONIC TUBE REFERENCE

ATL51

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Air-cooled directly heated tungsten transmitting triode for industrial and broadcast RF or AF amplification. It provides about 5 kW plate dissipation and approximately 11 kW Class-C RF output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	8500 V
MAXIMUM PLATE DISSIPATION	5000 W
MAXIMUM CATHODE CURRENT	2.2 A
<i>Promoted ratings and characteristics audited from General Data and operating tables.</i>	

air-cooled transmitting triode for RF and AF amplification and industrial or broadcast service. The datasheet specifies a directly heated tungsten cathode and air anode cooling.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1969 Brown Boveri

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

1969 BROWN BOVERI

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	8500 V	—
Maximum plate dissipation	5000 W	—
Maximum plate current	22 A	—
Maximum frequency	100 MHz	—
RF output power, Class C unmodulated	11000 W	ClassC

TUBE TINKER

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