ELECTRONIC TUBE REFERENCE

ATL103

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Air-cooled directly heated tungsten transmitting triode for high-power RF and AF amplification in industrial and broadcast equipment. It supports about 10 kW plate dissipation and 22 kW Class-C RF output.

General characteristics

BASE DESIGNATION	—	**BASE PINS**	—
NOMINAL HEATER	12 V / 150 A	**PARALLEL HEATER**	— / —
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	12000 V
MAXIMUM PLATE DISSIPATION	10000 W
MAXIMUM CATHODE CURRENT	2.75 A
Promoted ratings and characteristics audited from General Data and operating tables.	

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

1969 Brown Boveri

SOURCE PDF

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	**12000 V**	—
Maximum plate dissipation	**10000 W**	—
Maximum plate current	**2.75 A**	—
Maximum frequency	**55 MHz**	—
RF output power, Class C unmodulated	**22000 W**	ClassC

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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