ELECTRONIC TUBE REFERENCE

BTS63

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

High-power Brown Boveri transmitting triode for professional RF service. Approximately 12 kW plate dissipation and 11 kV plate capability support tens of kilowatts of Class C output with operation to roughly 100 MHz.

General characteristics

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

Section ratings

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	11000 V
MAXIMUM PLATE DISSIPATION	12000 W

Promoted ratings and characteristics audited from General Data and operating tables.

vapour-cooled transmitting triode for RF and AF amplification and industrial or broadcast service. The datasheet specifies a directly heated thoriated tungsten cathode and vapour 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	**11000 V**	—
Maximum plate dissipation	**12000 W**	—
Maximum frequency	**100 MHz**	—
RF output power, Class C unmodulated	**35000 W**	ClassC