

ELECTRONIC TUBE REFERENCE

VA128

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Varian designation for the 8232 pulsed traveling-wave amplifier, covering approximately 2.7–3.6 GHz with kilowatt-class peak microwave output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	–	BASE PINS	–
NOMINAL HEATER	7.5 V / 2 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	TravelingWave
No fixed ratings recorded.	

Varian VA-128 manufacturer designation for the 8232 traveling-wave pulse amplifier.

SOURCE OPERATING CONDITIONS

1953 Varian Assoc

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

1953 VARIAN ASSOC

Section 1 · TravelingWave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency range minimum	2.7 GHz	—
Frequency range maximum	3.6 GHz	—
Peak output power	9 kW	—
Heater warm-up time minimum	180 s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Beam voltage typical	14.5 kV	—
Peak beam current typical	3 A	—
Average output power maximum	20 W	—
Drive power maximum	15 W	—
Duty cycle maximum	0.003	—
Pulse duration maximum	15 us	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling method	Forced air	—
Device type	Traveling-wave pulse amplifier	—

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