

ELECTRONIC TUBE REFERENCE

V246A1K

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
KLYSTRON

Indirectly heated velocity-modulated microwave oscillator designed for coaxial or resonator service over its manufacturer-specified frequency range.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Klystron
No fixed ratings recorded.
Special-valve ratings and characteristics retained as parameters where applicable.

V246A1K is an indirectly heated velocity-modulated microwave oscillator for coaxial/resonator service. Published operating range is 4400-4850 Mc/s.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Klystron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating frequency range	4400–4850 MHz	Published operating frequency range



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Standard Valves

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

1947 STANDARD VALVES

Section 1 · Klystron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mean input power excluding heater	15 W	—
Maximum peak cathode current	500 mA	—
CW resonator voltage at 6.45 cm	220 V	CW
CW output power	0.5 W	6.45cm
Pulse resonator voltage at 6.45 cm	800 V	Pulse
Pulse output power	20 W	DutyCycle<10%
Magnetic field	1200 Oe	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating wavelength minimum	6 cm	—
Operating wavelength maximum	7 cm	—

TUBE TINKER

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

[Catalog](#)
[Tube types](#)
[Full books](#)
[Blog](#)
[Feedback & corrections](#)

© 2026 Tube Tinker