



ELECTRONIC TUBE REFERENCE

2K31

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Reflex klystron designed for microwave oscillator service, with manufacturer-published tuning range and RF output characteristics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 1.3 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Klystron

No fixed ratings recorded.

Special microwave/gas-discharge section; published electrical data retained as section parameters.

The 2K31 is a Sperry klystron intended for oscillator service at microwave frequencies.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1945 Sperry

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

1945 SPERRY

Section 1 · Klystron

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	1.3 A	Published datasheet value
Heater current	1.3 A	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Acceleration voltage	2000 V	Published datasheet value
Acceleration voltage	2000 V	Published datasheet value
Beam current	60 mA	Published datasheet value
Beam current	60 mA	Published datasheet value
Control grid voltage	50 V	Positive
Control grid voltage	50 V	Positive
Control grid current	25 mA	Published datasheet value
Control grid current	25 mA	Published datasheet value
Beam power input	100 W	Published datasheet value
Beam power input	100 W	Published datasheet value

TUBE TINKER

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