

ELECTRONIC TUBE REFERENCE

2K35

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Sperry klystron designed specifically for microwave amplifier service at frequencies extending to approximately 3.33 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 1.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Klystron
No fixed ratings recorded.
Special microwave/gas-discharge section; published electrical data retained as section parameters.

The 2K35 is a Sperry klystron intended for amplifier 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 voltage	6.3 V	Published datasheet value
Heater voltage	6.3 V	Published datasheet value
Heater current	1.5 A	Published datasheet value
Heater current	1.5 A	Published datasheet value
Maximum frequency	3330 MHz	Published datasheet value
Maximum frequency	3330 MHz	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Beam voltage	3000 V	CW
Beam voltage	3000 V	CW
Beam current	150 mA	CW
Beam current	150 mA	CW
Shell dissipation	450 W	CW
Shell dissipation	450 W	CW