

ELECTRONIC TUBE REFERENCE

KB9150W

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Water-cooled double-resonator X-band klystron power amplifier delivering at least 180 watts near 10 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 800 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Klystron
No fixed ratings recorded.
Double-resonator klystron interaction structure.

The Mullard KB9150W is a water-cooled double-resonator X-band klystron delivering at least 180 W near 10 GHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Klystron

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	800 mA	—
Frequency Minimum	8.6 GHz	—
Frequency Maximum	10 GHz	—
Minimum Power Output at 10GHz	180 W	—
Minimum Heating Time	3 min	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Collector and Resonator Voltage	10000 V	—
Maximum Collector and Resonator Dissipation	20000 W	—
Maximum Collector Current	250 mA	—
Maximum Negative Grid Voltage	-250 V	—
Maximum Positive Grid Voltage	20 V	—