

ELECTRONIC TUBE REFERENCE

YK1046

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Mullard X-band reflex klystron with integral tuning cavity, intended primarily as a stable microwave local oscillator.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Klystron
No fixed ratings recorded.
Reflex-klystron interaction structure.

The Mullard YK1046 is an X-band reflex klystron with integral tuning cavity for local-oscillator applications.

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	450 mA	—
Frequency Minimum	9.16 GHz	—
Frequency Maximum	9.34 GHz	—
Electronic Tuning Range	30 MHz	HalfPowerPoints

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Frequency	9.25 GHz	—
Resonator Voltage	275 V	—
Reflector Voltage	-85 V	—
Resonator Current	22 mA	—
Power Output	35 mW	—

TUBE TINKER

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