



ELECTRONIC TUBE REFERENCE

55335

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Forced-air-cooled mechanically tunable reflex klystron covering approximately 31–36 GHz for millimeter-wave oscillator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	OCTAL	BASE PINS	8
NOMINAL HEATER	6.3 V / 800 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Klystron	
MAXIMUM PLATE VOLTAGE	2500 V
MAXIMUM PLATE DISSIPATION	45 W
MAXIMUM CATHODE CURRENT	18 mA
<i>Reflex-klystron resonator ratings mapped to closest promoted fields.</i>	

Forced-air-cooled mechanically tunable reflex klystron covering 31–36 GHz. Published data were interpreted from the complete supplied Philips datasheet, including ratings, characteristics, operating conditions, and construction notes.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · Klystron

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency range	31000–36000 Mc/s	—
Electronic tuning range	60 Mc/s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum resonator voltage	2500 V	—
Maximum resonator current	18 mA	—
Maximum resonator dissipation	45 W	—
Typical resonator voltage	2250 V	—
Typical resonator current	15 mA	—
Reflector voltage range	100–500 V	—
Output power	100 mW	MidBandMinimum

TUBE TINKER

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and their source documents.

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