



ELECTRONIC TUBE REFERENCE

55334

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

KLYSTRON

Philips multireflex klystron designed for frequency-modulated S-band relay output service in microwave communications systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Special microwave base	BASE PINS	—
NOMINAL HEATER	6.3 V / 750 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Klystron	
MAXIMUM PLATE VOLTAGE	3300 V
MAXIMUM CATHODE CURRENT	25 mA
<i>Klystron resonator voltage/current mapped to closest promoted fields; reflector limits retained as parameters.</i>	

Multireflex klystron for frequency-modulated S-band relay output service. 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 variant 55334-01	3336 Mc/s	—
Frequency variant 55334-02	3375 Mc/s	—
Frequency variant 55334-03	3414 Mc/s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum resonator voltage	3300 V	—
Maximum resonator current	25 mA	—
Maximum reflector 1 positive voltage	100 V	—
Maximum reflector 1 negative voltage	250 V	—
Maximum reflector 2 negative voltage	1000 V	—
Typical resonator voltage	3000 V	—
Typical resonator current	24 mA	—
Minimum output power	10 W	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Reflector capacitance	5 pF	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

