



ELECTRONIC TUBE REFERENCE

8335

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Ruggedized reflex klystron designed for CW, FM, or pulse microwave oscillator and local-oscillator service across its specified tuning range.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Peewee 4 pin	BASE PINS	4
NOMINAL HEATER	6.3 V / 1.1 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Klystron

No fixed ratings recorded.

Reflex-klystron section; dedicated Klystron SectionType is not present in the canonical section vocabulary.

Higher-power rugged ceramic reflex klystron for CW, FM, or pulse operation in an external cavity, covering approximately 1.7 to 5.0 GHz and suitable as a master oscillator/driver in microwave systems.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 Polarad

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

1962 POLARAD

Section 1 · Klystron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	AC or DC
Heater current	1.1 A	—
Maximum resonator voltage	500 V	—
Maximum resonator current	60 mA	—
Reflector voltage range	-700 to 0 V	—
Control electrode voltage range	+20 to -150 V	—
Maximum control electrode current	12 mA	—
Maximum heater-cathode voltage	45 V	—
Maximum power input	30 W	—
Maximum seal temperature	250 degC	—



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency range	1.7–5.0 GHz	Published datasheet value
Maximum resonator voltage	—500 V	Published datasheet value
Maximum resonator current	—60 mA	Published datasheet value
Maximum power input	—30 W	Published datasheet value
Maximum seal temperature	—250 °C	Published datasheet value
Maximum heater-cathode voltage	—45 V	Published datasheet value
Reflector voltage range	-700 to 0 V	Published datasheet value
Maximum control-electrode current	—12 mA	Published datasheet value

TUBE TINKER

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