

ELECTRONIC TUBE REFERENCE

ZV1009X

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

KLYSTRON

Higher-power rugged ceramic reflex klystron covering approximately 1.7-5.0 GHz for CW, FM, or pulse service, including master-oscillator and driver applications.

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

SECTION1	Klystron
<i>No fixed ratings recorded.</i>	
<i>Reflex-klystron section; dedicated Klystron SectionType is not present in the canonical section vocabulary.</i>	

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. Explicit co-designation of 8335 printed in the approved source.



SOURCE OPERATING CONDITIONS

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

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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