

ELECTRONIC TUBE REFERENCE

ZV1011

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Rugged ceramic-metal reflex klystron covering approximately 4-11 GHz for CW, FM, or pulse operation in signal generators, analyzers, and receiver local oscillators.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Peewee 4 pin	BASE PINS	4
NOMINAL HEATER	6.3 V / 680 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 section; dedicated Klystron SectionType is not present in the canonical section vocabulary.

Rugged ceramic-and-metal reflex klystron for CW, FM, or pulse operation in an external cavity, covering approximately 4.0 to 11.0 GHz; intended for microwave signal generators, sources, spectrum analyzers, and receiver local oscillators. Explicit co-designation of 8052 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	680 mA	—
Maximum resonator voltage	1250 V	—
Maximum resonator current	22 mA	—
Reflector voltage range	-800 to -35 V	—
Control electrode voltage range	+20 to -150 V	—
Maximum control electrode current	6 mA	—
Maximum heater-cathode voltage	45 V	—
Maximum power input	28 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	4.0–11.0 GHz	Published datasheet value
Maximum resonator voltage	—1250 V	Published datasheet value
Maximum resonator current	—22 mA	Published datasheet value
Maximum power input	—28 W	Published datasheet value
Maximum seal temperature	—250 °C	Published datasheet value
Maximum heater-cathode voltage	—45 V	Published datasheet value
Reflector voltage range	-800 to -35 V	Published datasheet value
Maximum control-electrode current	—6 mA	Published datasheet value

TUBE TINKER

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