

ELECTRONIC TUBE REFERENCE

ZV1009

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Rugged ceramic reflex klystron for CW, FM, or pulse operation from approximately 1.5–6.0 GHz in signal generators, spectrum analyzers, and receiver local oscillators.

GENERAL CHARACTERISTICS

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

Rugged ceramic reflex klystron for CW, FM, or pulse operation in an external cavity, covering approximately 1.5 to 6.0 GHz; intended for microwave signal generators, sources, spectrum analyzers, and receiver local oscillators. Explicit co-designation of 7049 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	350 V	—
Maximum resonator current	35 mA	—
Reflector voltage range	-700 to -35 V	—
Control electrode voltage range	+20 to -150 V	—
Maximum control electrode current	12 mA	—
Maximum heater-cathode voltage	45 V	—
Maximum power input	12 W	—
Maximum seal temperature	200 degC	—

TUBE TINKER

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and their source documents.

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