



ELECTRONIC TUBE REFERENCE

4660

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

KLYSTRON

RCA C-band klystron for professional microwave transmitting service, with published industrial operating, cooling, and power-output data.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.5 V / 7.6 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Klystron	
MAXIMUM PLATE VOLTAGE	14000 V
MAXIMUM PLATE DISSIPATION	22400 W
MAXIMUM CATHODE CURRENT	1.6 A
<i>C-band pulsed klystron</i>	

The 4660 is a C-band klystron. The supplied datasheet was processed for heater or filament data, maximum ratings, operating characteristics, capacitances, cooling/service conditions, and power-output data. Condition-specific transmitting ratings are retained in the section-parameter table.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Klystron

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal Frequency	4.7 GHz	Pulsed RF amplifier
Warm-up Time	180 s	Pulsed RF amplifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Pulsed Beam Voltage	14 kV	Pulsed RF amplifier
Maximum Pulsed Beam Current	1.6 A	Pulsed RF amplifier
Maximum Pulse Width	500 μ s	Pulsed RF amplifier
Typical Pulsed Beam Voltage	12 kV	Pulsed RF amplifier
Typical Pulsed Beam Current	1.4 A	Pulsed RF amplifier
Typical Pulsed RF Power Output	5 kW	Pulsed RF amplifier
Typical Efficiency	30 %	Pulsed RF amplifier

TUBE TINKER

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