



ELECTRONIC TUBE REFERENCE

8294

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	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 440 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Klystron	
MAXIMUM PLATE VOLTAGE	350 V
MAXIMUM CATHODE CURRENT	37 mA
<i>Published ratings/characteristics promoted from supplied source; additional conditions retained in parameter table.</i>	

Ruggedized mechanically tuned X-band reflex klystron oscillator covering approximately 8.5–9.66 GHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · Klystron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	440 mA	—
OperatingFrequencyMinimum	8500 MHz	—
OperatingFrequencyMaximum	9660 MHz	—
HeaterCurrentMinimum	410 mA	—
HeaterCurrentMaximum	470 mA	—
PowerOutputMinimum	20 mW	ModeA
ReflectorVoltageMinimum	-200 V	ModeA
ReflectorVoltageMaximum	-143 V	ModeA
PowerOutputMinimum	15 mW	ModeB
ReflectorVoltageMinimum	-120 V	ModeB
ReflectorVoltageMaximum	-75 V	ModeB
EquivalentType	2K25	ElectricalAndMechanicalRetrofit
TuningMethod	Mechanical	—
Cooling	Convection	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ResonatorVoltageMaximum	350 V	—
ReflectorVoltageMinimum	-350 V	—
Cathode Current Maximum	37 mA	—
HeaterCathodeVoltageMaximum	100 V	—

TUBE TINKER

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and their source documents.

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