

ELECTRONIC TUBE REFERENCE

8332

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

KLYSTRON

Extremely rugged long-life X-band reflex klystron producing at least 500 mW for parametric-amplifier pumping and severe-environment radar/navigation service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.24 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Klystron	
MAXIMUM PLATE VOLTAGE	525 V
<i>Promoted fields are used only where the published value maps cleanly to the locked schema; device-specific microwave, pulse, photoelectric, camera, and indicator data are preserved as parameter rows.</i>	

Extremely rugged long-life X-band reflex klystron producing at least 500 mW from 9.7 to 9.9 GHz for parametric-amplifier pumping and severe-environment radar/navigation service.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency minimum	9.7 GHz	—
Frequency maximum	9.9 GHz	—
Frequency typical	9.8 GHz	—
Output power typical	870 mW	MatchedLoad
Output power typical	915 mW	OptimumLoad
Beam voltage	500 V	—
Beam current	55 mA	—
Beam current minimum	45 mA	At500V
Beam current maximum	66 mA	At500V
Reflector voltage	-315 V	—
Reflector voltage minimum	-350 V	—
Reflector voltage maximum	-270 V	—
Reflector voltage absolute minimum	-1000 V	—
Reflector voltage absolute maximum	-20 V	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output power minimum	500 mW	MatchedLoad
Electronic tuning range	55 MHz	3dB
Reflector modulation coefficient	0.64 MHz/V	Typical
Temperature coefficient	-100 kHz/degC	Typical

TUBE TINKER

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and their source documents.

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