



ELECTRONIC TUBE REFERENCE

8460

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
<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>	

Ruggedized mechanically tuned X-band reflex klystron oscillator for pulse or CW service from 8.5 to 9.66 GHz; electrical and mechanical retrofit for the 2K25.

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	8500 MHz	—
Frequency maximum	9660 MHz	—
Resonator voltage maximum	350 V	—
Reflector voltage minimum	-350 V	—
Cathode current maximum	37 mA	—
Heater-cathode voltage maximum	100 V	—
Reflector voltage minimum	-200 V	ModeA
Reflector voltage maximum	-143 V	ModeA
Heater current minimum	410 mA	—
Heater current maximum	470 mA	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power output minimum	20 mW	8500-9660MHz
Electronic tuning range minimum	35 MHz	—