

ELECTRONIC TUBE REFERENCE

TK106

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Ruggedized mechanically tuned X-band reflex klystron oscillator covering approximately 8.5-9.66 GHz for pulse or CW service, designed as a 2K25 retrofit.

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

SECTION1 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

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	—

TUBE TINKER

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and their source documents.

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