



ELECTRONIC TUBE REFERENCE

KS785

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Mechanically tunable reflex klystron designed for local-oscillator and signal-generator service over approximately 6.5–7.5 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 500 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Klystron*No fixed ratings recorded.**Reflex-klystron interaction system.*

The Mullard KS785 is a mechanically tunable reflex klystron for local-oscillator and signal-generator service from about 6.5 to 7.5 GHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Klystron

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	500 mA	—
Mechanical Tuning Frequency Minimum	6.5 GHz	—
Mechanical Tuning Frequency Maximum	7.5 GHz	—
Electronic Tuning Range	25 MHz	HalfPowerPoints
Power Output Minimum	50 mW	AcrossBand
Power Output	85 mW	7GHzPlusMinus20MHz
Reflector Voltage for Maximum Power Minimum	-175 V	—
Reflector Voltage for Maximum Power Maximum	-100 V	—
Reflector Voltage Range Minimum	-215 V	—
Reflector Voltage Range Maximum	-60 V	—
Frequency Temperature Coefficient	-0.5 MHz/degC	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Resonator Voltage	300 V	7GHz
Resonator Current	24 mA	7GHz
Reflector Voltage	-140 V	7GHz

TUBE TINKER

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and their source documents.

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