



ELECTRONIC TUBE REFERENCE

6389

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Ruggedized X-band reflex klystron designed for highly stable local-oscillator service under extreme shock, vibration, and acceleration.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 950 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.

Representative electrical section; promoted values mapped from published ratings/characteristics where applicable.

X-band ruggedized reflex klystron for local-oscillator service where high frequency stability is required under extreme shock, vibration, or acceleration.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Klystron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency range minimum	8690 MHz	Published datasheet value
Frequency range maximum	9410 MHz	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC resonator voltage maximum	350 V	Published datasheet value
Cathode current maximum	40 mA	Published datasheet value

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