



ELECTRONIC TUBE REFERENCE

6390

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Tunable reflex klystron designed for microwave oscillator service, with manufacturer-published frequency range and RF output characteristics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 580 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Klystron	
MAXIMUM PLATE DISSIPATION	25.5 W
<i>Published ratings and characteristics promoted where clearly stated; identical repeated sections compressed where applicable.</i>	

Reflex velocity-variation oscillator for CW or pulsed operation over approximately 6.7 to 11.05 GHz, suited to signal generators and local oscillators.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Klystron

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	6.3 V	Published nominal or representative value
Heater or filament current	580 mA	Published nominal or representative value
Frequency range	6700–11050 MHz	Published operating or tuning range

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	25.5 W	Published maximum rating
RF power output	0.06 W	Published nominal or minimum output

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