



ELECTRONIC TUBE REFERENCE

F2009

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Four-cavity high-power television klystron amplifier covering approximately 590–830 MHz with more than 30 kW continuous UHF broadcast output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	22 V / 11.3 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Klystron

No fixed ratings recorded.

Klystron amplifier section; beam, gain, bandwidth, cavity and RF output data retained as parameters.

Four-cavity high-power television klystron amplifier covering approximately 590–830 MHz with more than 30 kW continuous UHF output.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Compagnie General

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

1958 COMPAGNIE GENERAL

Section 1 · Klystron

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency minimum	590 MHz	—
Frequency maximum	830 MHz	—
Continuous RF output minimum	30 kW	CW
Gain minimum	30 dB	—
Bandwidth at 1 dB	8 MHz	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Saturated RF output	36 kW	CW
Beam voltage typical	20 kV	—
Collector dissipation	110 kW	—

TUBE TINKER

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and their source documents.

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