



ELECTRONIC TUBE REFERENCE

F2042

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Fixed-tuned five-cavity S-band pulse klystron producing approximately 30 MW peak output near 2.998 GHz for accelerator and radar applications.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Klystron

No fixed ratings recorded.

Microwave performance and operating ratings are stored as condition-aware parameters from the supplied CSF source.

High-power fixed-tuned five-cavity S-band klystron amplifier, nominally 30 MW peak output near 2998 MHz.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
CenterFrequency	2998 MHz	—
Peak Power Output	30 MW	Pulsed
BandwidthAt1dB	50 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AveragePowerOutput	30 kW	—

TUBE TINKER

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and their source documents.

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