



ELECTRONIC TUBE REFERENCE

8129

Specialized - Microwave Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MICROWAVE

Pulsed S-band Amplitron crossed-field microwave power amplifier covering approximately 2.9–3.1 GHz and producing at least about 3 MW peak RF output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	0 V / 0 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Microwave

No fixed ratings recorded.

Pulsed Amplitron microwave interaction system; RF frequency and pulse-power ratings retained as parameters.

Pulsed S-band Amplitron microwave power amplifier for approximately 2900 to 3100 MHz operation.



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 · Microwave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FrequencyRange	2900–3100 MHz	—
PeakRFOutputPowerMinimum	3 MW	—

TUBE TINKER

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and their source documents.

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