

ELECTRONIC TUBE REFERENCE

X1081

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

MAGNETRON

Rugged ceramic-metal packaged voltage-tunable magnetron covering approximately 900-1200 MHz and delivering at least 10 W continuous RF output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Magnetron	
MAXIMUM PLATE VOLTAGE	2400 V
MAXIMUM CATHODE CURRENT	30 mA

The Eimac X-1081 is a ruggedized ceramic-metal packaged voltage-tunable magnetron delivering at least 10 W over 900-1200 MHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 Eimac

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

1962 EIMAC

Section 1 · Magnetron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Range	900–1200 MHz	—
Warm-up Time	30 s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Injection Anode Voltage	800 V	—
Maximum Injection Anode Current	1 mA	—
Typical Output Power	10-12 W	—

TUBE TINKER

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