

ELECTRONIC TUBE REFERENCE

X1083B

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Low-noise voltage-tunable magnetron covering approximately 320-525 MHz with conduction cooling for swept-frequency RF-source applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 800 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Magnetron	
MAXIMUM PLATE VOLTAGE	2300 V
MAXIMUM CATHODE CURRENT	10 mA

The Eimac X-1083B is a low-noise voltage-tunable magnetron for 320-525 MHz service with conduction cooling.

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	320–525 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Injection Anode Voltage	300 V	—
Maximum Injection Anode Current	1 mA	—
Typical Output Power	30-50 mW	—