

ELECTRONIC TUBE REFERENCE

X1193C

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

MAGNETRON

Low-noise voltage-tunable continuous-wave magnetron designed for electronically tuned microwave oscillator service across its specified frequency range.

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

SECTION1 Magnetron	
MAXIMUM CATHODE CURRENT	4 mA
Magnetron oscillator. Fixed section schema has no anode-frequency tuning field; key published values preserved as parameters.	

The EIMAC X-1193-C is a low-noise voltage-tunable magnetron intended for CW microwave service over approximately 0.6 to 1.2 GHz.

SOURCE OPERATING CONDITIONS

1962 Eimac

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

1962 EIMAC

Section 1 · Magnetron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode voltage	2300 V	—
Typical output power	50 mW	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical cathode current	4 mA	—
Frequency range minimum	0.6 GHz	—
Frequency range maximum	1.2 GHz	—

TUBE TINKER

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