

ELECTRONIC TUBE REFERENCE

1Q21

Specialized - Microwave Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MICROWAVE

Tunable vacuum microwave reference cavity covering approximately 9.20–9.30 GHz with high loaded Q, intended for stable frequency-reference and calibration service.

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

SECTION1 Microwave
<i>No fixed ratings recorded.</i>
<i>Published electrical limits promoted from the source. Passive microwave reference cavities have their electrical frequency/Q values in TUBE_SECTION_PARAMETER because no applicable promoted frequency field exists in the fixed section schema.</i>

Tunable microwave reference cavity covering 9.20 to 9.30 GHz with a minimum loaded Q of 2000.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Westinghouse

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

1947 WESTINGHOUSE

Section 1 · Microwave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FrequencyTuningRange	—	9.20 to 9.30 GHz
LoadedQMinimum	2000	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumInsertionLoss	10.5 dB	—