

ELECTRONIC TUBE REFERENCE

6784

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Western Electric low-noise helix traveling-wave amplifier for broadband microwave receiver service where low noise and wide frequency coverage are important.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 370 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	TravelingWave
<i>No fixed ratings recorded.</i>	
<i>Published promoted values where applicable; special microwave values retained as parameters.</i>	

The 6784 is a Western Electric traveling-wave tube using a helix wave-propagating structure for microwave amplification.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Western Electric Random 2

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

1960 WESTERN ELECTRIC RANDOM 2

Section 1 · TravelingWave

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency range	3100-3500 MHz	Operating range

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum helix voltage	700 V	—
Maximum collector voltage	1500 V	—
Maximum grid 2 voltage	200 V	—
Maximum grid 3 voltage	200 V	—

TUBE TINKER

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and their source documents.

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