



ELECTRONIC TUBE REFERENCE

8637

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Radiation-cooled twin beam tetrode with matched power sections for RF amplification, oscillation, and frequency multiplication in mobile and base-station equipment to approximately 175 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	13.5 V / 800 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
AMPLIFICATION FACTOR	7
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	25 W
MAXIMUM SCREEN DISSIPATION	8 W
<i>Radiation-cooled beam-power twin tetrode; identical sections compressed.</i>	

The Amperex 8637 is a radiation-cooled beam-power twin tetrode for RF power amplification, oscillation, and frequency multiplication in mobile and base-station equipment up to 175 MHz.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 Amperex

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

1953 AMPEREX

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	13.5 V	Published datasheet value
Heater/Filament Current	800 mA	Published datasheet value
Maximum Plate/Anode Voltage	600 V	Published datasheet value
Maximum Plate/Anode Dissipation	25 W	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	7	Published datasheet value

TUBE TINKER

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and their source documents.

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