



ELECTRONIC TUBE REFERENCE

6159W

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Ruggedized 26.5 V beam-power transmitting tube related to the 6146W family, intended for reliable communications and severe-service RF equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	26.5 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.006 S
AMPLIFICATION FACTOR	4.5
MAXIMUM PLATE VOLTAGE	750 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	25 W
MAXIMUM SCREEN DISSIPATION	3 W
MAXIMUM CATHODE CURRENT	150 mA
<i>Representative electrical section from supplied RCA data sheet.</i>	

The 6159W is a beam-power transmitting tube. The supplied datasheet was processed for heater or filament data, maximum ratings, operating characteristics, capacitances where published, and service-specific power or frequency data.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Voltage	750 V	Inherited from explicitly referenced 6146W/7212 parent except heater characteristics Alias of 7357.
Maximum DC Screen Voltage	250 V	Inherited from explicitly referenced 6146W/7212 parent except heater characteristics Alias of 7357.
Maximum DC Plate Current	150 mA	Inherited from explicitly referenced 6146W/7212 parent except heater characteristics Alias of 7357.
Plate Dissipation	25 W	Inherited from explicitly referenced 6146W/7212 parent except heater characteristics Alias of 7357.
Screen Input	3 W	Inherited from explicitly referenced 6146W/7212 parent except heater characteristics Alias of 7357.
Typical RF Power Output	30 W	Inherited from explicitly referenced 6146W/7212 parent except heater characteristics Alias of 7357.

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	6000 μ S	Inherited from explicitly referenced 6146W/7212 parent except heater characteristics Alias of 7357.

TUBE TINKER

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