



ELECTRONIC TUBE REFERENCE

GL807

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Beam-power transmitting tube for audio-frequency amplification, RF power amplification, oscillator, and modulator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 900 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
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM SCREEN VOLTAGE	225 V
MAXIMUM PLATE DISSIPATION	25 W
<i>Promoted fields mapped from printed ratings/characteristics headings; specialized published data retained in parameter rows.</i>	

Beam-power transmitting tube for audio-frequency, RF power-amplifier, oscillator, and modulator service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-plate transconductance, $I_p =$	72 ma	Grid-plate transconductance, $I_p = 72$ ma..... 6000 micromhos

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Load resistance (per tube). 800 1060 1600	1740 ohms	Load resistance (per tube). 800 1060 1600 1740 ohms
Effective load (plate to plate)..... 3200 4240 6400	6960 ohms	Effective load (plate to plate)..... 3200 4240 6400 6960 ohms
From a grid resistor of 25000 22800 21300	22500 ohms	From a grid resistor of 25000 22800 21300 22500 ohms
From a series resistor of A 20000 30000 50000	50000 ohms	From a series resistor of A 20000 30000 50000 50000 ohms
From a cathode resistor of...l e 410 410 410	410 ohms	From a cathode resistor of...l e 410 410 410 ohms
From a grid resistor of 12800 12800 12800	12800 ohms	From a grid resistor of 12800 12800 12800 12800 ohms
From a series resistor of 20000 42000 50000	85000 ohms	From a series resistor of 20000 42000 50000 85000 ohms
low distortion. The effective resistance per grid circuit of the Class AB; stage should be kept below	500 ohms	low distortion. The effective resistance per grid circuit of the Class AB; stage should be kept below 500 ohms

TUBE TINKER

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