



ELECTRONIC TUBE REFERENCE

KT66

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Indirectly heated beam pentode designed for high-fidelity audio power-output service, usable in triode or beam-power connection.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 1.27 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	22500 Ω
TRANSCONDUCTANCE	0.005 S
MAXIMUM PLATE VOLTAGE	550 V
MAXIMUM SCREEN VOLTAGE	550 V
MAXIMUM PLATE DISSIPATION	30 W
MAXIMUM SCREEN DISSIPATION	4.5 W
MAXIMUM CATHODE CURRENT	200 mA
<i>Promoted values mapped from printed rating/approximate-data tables; additional operating points and capacitances retained as parameters.</i>	

Beam tetrode for low-frequency power amplification in HI-FI audio output stages.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

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

1955 MARCONI

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid1-All Capacitance	16 pF	—
Anode-All Capacitance	11.5 pF	—
Anode-Grid1 Capacitance	1.1 pF	—
Single-Triode Output Power at 250V	2.2 W	ClassA;TriodeConnection
Single-Triode Output Power at 400V	5.8 W	ClassA;TriodeConnection
Single-Pentode Output Power	7.25 W	ClassA;PentodeConnection
Push-Pull Pentode Output Power	17 W	ClassAB;PentodeConnection;TwoTubes
Push-Pull Pentode Output Power High Voltage	30 W	ClassAB;PentodeConnection;TwoTubes
Push-Pull Triode Output Power	14.5 W	ClassAB;TriodeConnection;TwoTubes



SOURCE OPERATING CONDITIONS

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
been made	80 pF	Published datasheet value; semantic OCR text extraction.

[SOURCE DATA APPENDIX](#)

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Genalex Rebrand

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

2026 GENALEX REBRAND

Section 1 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	60–110 mA	Plate 250 V; screen 250 V; grid -15 V

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power Output	5.4 W	Plate 250 V; screen 250 V; load 2.2 kohm; ClassA;OneTube

[SOURCE DATA APPENDIX](#)

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 JJ Electronic

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

2026 JJ ELECTRONIC

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U _f	6.3 V	Published value
I _f	1.3 A	Published value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ug1	-200 V	Published value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ua	250 V	Published value
Ug2	250 V	Published value
Ug1	-15 V	Published value
Ia	85 mA	Published value
Ig2	7 mA	Published value
S	6000 μ S	Published value
Ri	22.5 k Ω	Published value
Ug1	-15 V	Published value
Ri	1.3 k Ω	Published value

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
cg1	16 pF	Published value
ca	10 pF	Published value
ca/g1	2.3 pF	Published value