



ELECTRONIC TUBE REFERENCE

CV511

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Beam tetrode, co-designated with 6V6GT, designed for low-frequency power amplification in high-fidelity audio-output stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 500 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.003 S
MAXIMUM PLATE DISSIPATION	13.2 W
MAXIMUM SCREEN DISSIPATION	2.2 W
<i>Published ratings and characteristics promoted from the approved source.</i>	

Beam tetrode for low-frequency power amplification in HI-FI audio output stages; co-designated 6V6GT.

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	38–46 mA	Plate 250 V; screen 250 V; grid -12.5 V
Transconductance	3000–5200 μ S	Plate 250 V; screen 250 V; grid -12.5 V

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power Output	3.4 W	Plate 250 V; screen 250 V; load 5.0 kohm; ClassA;OneTube