



ELECTRONIC TUBE REFERENCE

6AL9

Voltage Triode Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TRIODE

Combined triode-pentode for television video, IF, AGC, sync, burst, band-pass, or related signal-processing stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
NOMINAL HEATER	6.3 V / 820 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode

TRANSCONDUCTANCE	0.0063 S
AMPLIFICATION FACTOR	59

Published source values promoted where applicable; additional published data retained as parameters.

SECTION2 Pentode

TRANSCONDUCTANCE	0.03 S
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM SCREEN DISSIPATION	1.5 W

Published source values promoted where applicable; additional published data retained as parameters.

Compactron high-mu triode and sharp-cutoff pentode; triode is general-purpose and pentode is a video amplifier.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 2 · Pentode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Primary application	Video amplifier	—