



ELECTRONIC TUBE REFERENCE

6486

Voltage Pentode - Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Reliable Bendix Red Bank miniature dual-control sharp-cutoff RF pentode for aircraft and industrial applications. Extensive run-in and rugged construction target low early-failure rates, long service life, and uniform characteristics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 250 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.00325 S
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	155 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM SCREEN DISSIPATION	0.85 W
MAXIMUM CATHODE CURRENT	18 mA
<i>Published characteristics and ratings promoted where clearly recoverable from source.</i>	

This miniature nine-pin dual control sharp cut-off, R.F. pentode is one of the Bendix Red Bank line of reliable vacuum tubes specifically designed for aircraft and industrial applications where freedom from early failure, long average service life and uniform operating characteristics are extremely important. It is intended to replace the 6AS6 in applications where reliability is the primary consideration. Each tube is given a 45-hour run-in under various overload, vibration and shock conditions likely to be encountered in service. This run-in serves to reduce early failures by eliminating tubes with any minor defects that might

lead to failure under actual operating conditions. The use of a coil type heater inside an extruded aluminum tube is not recommended.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

196X Bendix

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

196X BENDIX

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Current	250 mA	Published datasheet value; see source context.
Plate Current	3.5 mA	Published datasheet value; see source context.
Mutual Conductance	3250 μ S	Published datasheet value; see source context.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	180 V	Published datasheet value; see source context.
Grid 2 Voltage	140 V	Published datasheet value; see source context.
Cathode Current	18 mA	Published datasheet value; see source context.