

ELECTRONIC TUBE REFERENCE

CV445

Power - Pentode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Forced-air-cooled high-power RF pentode for multi-kilowatt transmitting, broadcast, communications, and industrial RF service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	6
NOMINAL HEATER	9 V / 30 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.00575 S
MAXIMUM PLATE VOLTAGE	6000 V
MAXIMUM SCREEN VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	3500 W
MAXIMUM SCREEN DISSIPATION	150 W
MAXIMUM GRID DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	1.4 A
Explicit alias/equivalent/co-designation printed in source for 5J180E.	

Forced-air-cooled high-power RF pentode.

SOURCE OPERATING CONDITIONS

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Interelectrode capacitances published	1	See source table for individual capacitances