

ELECTRONIC TUBE REFERENCE

CK5686

Power - Pentode Single (NOT beam) (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Raytheon special-purpose pentode documented in the supplied handbook; available source identifies the device but does not clearly establish a narrower application beyond special-service amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 350 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	45000 Ω
TRANSCONDUCTANCE	0.0031 S
MAXIMUM PLATE VOLTAGE	275 V
MAXIMUM SCREEN VOLTAGE	275 V
MAXIMUM PLATE DISSIPATION	8.25 W
MAXIMUM SCREEN DISSIPATION	3.3 W
Target handbook row and explicit cross-reference text reviewed.	

CK5686 is identified in the supplied Raytheon handbook as a pentode.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Raytheon Special Purpose Tubes

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

195X RAYTHEON SPECIAL PURPOSE TUBES

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published characteristic value	3300	Supplied handbook row

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power output	2.7 W	Published handbook row
Load resistance	9000 ohm	Published handbook row

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker