



ELECTRONIC TUBE REFERENCE

6A7S

Voltage Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

HEPTODE

Pentagrid converter for Majestic receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Heptode

No fixed ratings recorded.

RCA 6A7S is a special Majestic receiver replacement pentagrid/heptode frequency converter, indirectly heated cathode with 6.3 V 0.3 A heater. Uses a SMALL seven-pin base requiring a socket distinct from ordinary medium seven-pin types, with external shield connected to cathode and separate top cap. Manufacturer states basing parallels 6A7 except shield connection, with typical operating curves corresponding to the 6A7 family. Related 6A8-family maximum ratings and operating values are NOT blindly copied into 6A7S; intrinsic transconductance left NULL because converter gain is conversion conductance. Physical Heptode section index normalized from 0 to 1.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

9999 Mixed G 1000

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

9999 MIXED G 1000

Section 1 · Heptode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6.3 V	Heater voltage
Heater/filament current	300 mA	Heater current