

ELECTRONIC TUBE REFERENCE

6SF7GT

Voltage Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
DIODE-PENTODE

GT-envelope diode-pentode for combined signal detection and voltage amplification. The pentode supplies receiver gain while the diode provides a complementary detector or rectifying function.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.00205 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	100 V
Promoted values from 6SF7GT.pdf; section type follows printed electrode/function description.	

SECTION2 Diode	
No fixed ratings recorded.	
Promoted values from 6SF7GT.pdf; section type follows printed electrode/function description.	

Diode super-control amplifier pentode.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Amalgamated Wireless

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

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Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	0.005 pF	Direct interelectrode capacitance
Input capacitance	5.5 pF	Direct interelectrode capacitance
Output capacitance	6 pF	Direct interelectrode capacitance