TUNG-SOL

SHARP CUT-OFF RF AMPLIFIER PENTODE

COATED UNIPOTENTIAL CATHODE
6.3 VOLTS 0.3 AMPERE
AC OR DC

IN CIRCUITS WHERE THE CATHODE IS NOT
DIRECTLY CONNECTED TO THE HEATER,
THE POTENTIAL DIFFERENCE BETWEEN
HEATER AND CATHODE SHOULD BE KEPT AS
LOW AS POSSIBLE.

GLASS BULB
ANY MOUNTING POSITION

THE 6SH7GT IS A TRIPLE GRID SHARP CUT-OFF AMPLIFIER. IT IS DESIGNED
FOR SERVICE IN HIGH GAIN RF AND IF AMPLIFIER APPLICATIONS AND FOR
LIMITER SERVICE IN FM RECEIVERS. THE DOUBLE CATHODE CONNECTION IS
USEFUL IN REDUCING CATHODE CIRCUIT COUPLING.

RATINGS
INTERPRETED ACCORDING TO RMA STANDARD No.210

MAXIMUM PLATE VOLTAGE
300 VOLTS
MAXIMUM SCREEN VOLTAGE
150 VOLTS
MAXIMUM SCREEN SUPPLY VOLTAGE
300 VOLTS
MAXIMUM PLATE DISSIPATION
3.0 WATTS
MAXIMUM SCREEN DISSIPATION
0.7 WATT

DIRECT INTERELECTRODE CAPACITANCES
WITH SHELL CONNECTED TO CATHODE

GRID TO PLATE
0.003 MAX. µF
INPUT
8.5 µF
OUTPUT
7.0 µF

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

PLATE VOLTAGE
100 250 VOLTS
SCREEN VOLTAGE
100 150 VOLTS
GRID VOLTAGE
-1.0 -1.0 VOLTS
PLATE RESISTANCE (APPROX.)
0.35 0.90 MEGOHM
TRANSCONDUCTANCE
4 000 4 900 MMHOS
PLATE CURRENT
5.3 10.8 MA.
SCREEN CURRENT
2.1 4.1 MA.
GRID BIAS FOR PLATE CURRENT
-4.0 -5.5 VOLTS

SIMILAR TYPE REFERENCE: Somewhat similar to type 917.

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