

# GROOVE TUBES GT6L6CHP PENTODE



## SPECIFICATIONS\*

### Class A Amplifier

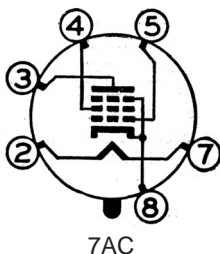
Plate Voltage:	250 V
Grid 2 Voltage:	250 V
Grid 1 Voltage:	-14 V
Peak Grid 1 Voltage:	14 V
Amplification Factor:	135
Plate Resistance (aprx):	28.5K $\Omega$
Transconductance:	6190 $\mu$
Plate Current:	72.2 mA
Grid 2 Current:	5.2 mA

### Maximum Ratings

#### (Design Center Values):

Plate Voltage:	500 V
Grid 2 Voltage:	450 V
Plate Dissipation:	30 W
Grid 2 Dissipation:	5 W
Heater Voltage:	6.3 V

## PINOUT DIAGRAM



Our most recent release of a totally redesigned 6L6C featuring addition of pure Nickel carborized black plate construction, this is the same material used on the classic RCA Black Plate versions of the '50s. Further improving the design, we added GT's exclusive heat sink wings to the plate assembly which improves reliability and more importantly stabilizes your tone and other performance characteristics when the tube is pushed to its higher power levels. This GT exclusive heat sink wing design has proven itself over almost a decade on

the 30 watt GT-E34LS (the only 30 watt EL-34 type) and also on the 50 watt KT-88SV.

Strong and very focused output as compared to many other 6L6 designs, this tube is highly recommended for "livening up" any stock Fender or Marshall amp coming with the common Russian 6L6R tubes, and it's also a great choice for that vintage tone but with improved punch from those GT heat sink wings on the plates!

### \*SPECIFICATION MEASUREMENT PROCEDURES

The measurements on this sheet are actual test results of current production tubes made in a neutral and consistent manner for the purpose of fair comparisons. We decided not to use just reprinted "target specs" from an old RCA book like most, if not all, current production spec sheets released today. If these specs do not meet the old RCA or GE published spec sheets, do not be alarmed. In fact, NO tubes made today meet all these original specs, and only a few come even close in the critical areas of Transconductance and/or Gain.

We believe it is more important to provide our customers a meaningful standard by which ALL tubes made today can be compared. So beginning with our 2007 spec sheets, our first ever published, ALL the tubes we manufacture and/or made in other factories and/or other tubes that are in our catalog will reflect actual test results and averaged over at least 10 samples. As production quality rises and falls (frequently) we reserve the right to make these results subject to change as and performance rises, or falls. Current data sheets reflecting latest productions can be found on the GT website at [www.groovetubes.com](http://www.groovetubes.com).

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