TAD – 6L6GCM-STR REDBASE™
High Performance Audio Beam Power Pentode

The **TAD 6L6GCM-STR REDBASE™** is a glass envelope beam pentode with a plate dissipation rating of 30 Watts with convection cooling. It is intended for audio frequency power amplification service in either pentode, ultralinear or triode connection and single ended or push-pull/parallel applications.

The **TAD 6L6GCM-STR REDBASE™** is designed to be a direct replacement for any 6L6GC / 5881 or equivalent. Close manufacturing specification tolerances, gold wire grid, improved processing and final testing and QC at TAD in Germany provides enhanced reliability, superior sonic performance and grants overall consistency.

TAD 6L6GCM-STR REDBASE™ provides electrical and audio performance very similar to that of the original Philips/Sylvania 6L6GC.

Characteristics

Electrical				
Heater:	Min.	Nom.	Max.	
Voltage (AC or DC)	5.7	6.3	6.9	V
Current			0.9	A
Cathode:			Oxide-coated, unipotential	
Cathode-to-heater potential, max.			200 V	
Direct interelectrode capacitances, max.***				
Grid no.1 to cathode and grid no.3, grid no.2, base sleeve and heater			<14 pF	
Plate to cathode and grid no.3, grid no.2, base sleeve and heater			<0.8 pF	
Grid no.1 to plate			<2.1 pF	
Mechanical				
Operating Position			preferably vertical	
Base			JEDEC #8ET, octal, 8-pin	
Dimensions:				
Height			max. 109mm (4 ¼")	
Seated height			95 mm (3 ¾")	
Diameter			38 mm (1 ½")	
Cooling			Convection	
Approximate net weight			55 g (1.94 oz.)	

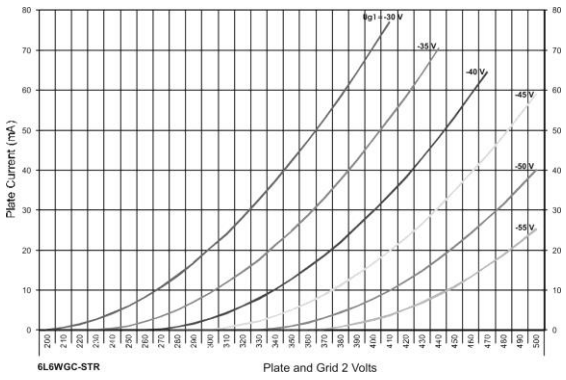
****Without external shielding, nominal values*

AF Power Amplifier	
Maximum ratings	
DC plate voltage	550 V
Grid no.2 DC (screen) voltage	500 V
Grid no.1 (control) voltage	- 100 V
DC cathode current	180 mA
Plate dissipation	30 W
Grid no.2 DC (screen) dissipation	5 W
Bulb temperature (surface hottest point)	250° C

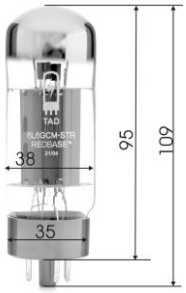
Typical Operation	
AF Power Amplifier, Class A1 (single tube)	
Plate Voltage	350 V
Grid 2 Screen Voltage	250 V
Grid 1 Control Voltage*	-18 V
Peak AF Grid 1 Control Voltage	18 V
Zero Signal Plate Current	54 mA
Maximum Signal Plate Current	66 mA
Zero Signal Grid 2 Screen Current (avg)	2.0 mA
Transconductance (nominal)	5,300 mS
Load Resistance	4200 Ohms
Output Power at 14% distortion	8.5 W

** Approximate Value (set to zero signal plate current)*

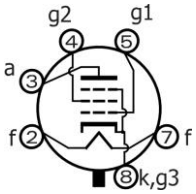
Typical Performance 6L6GCM-STR REDBASE Curve



Outline View



Bottom View
Octal Base Connections



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