



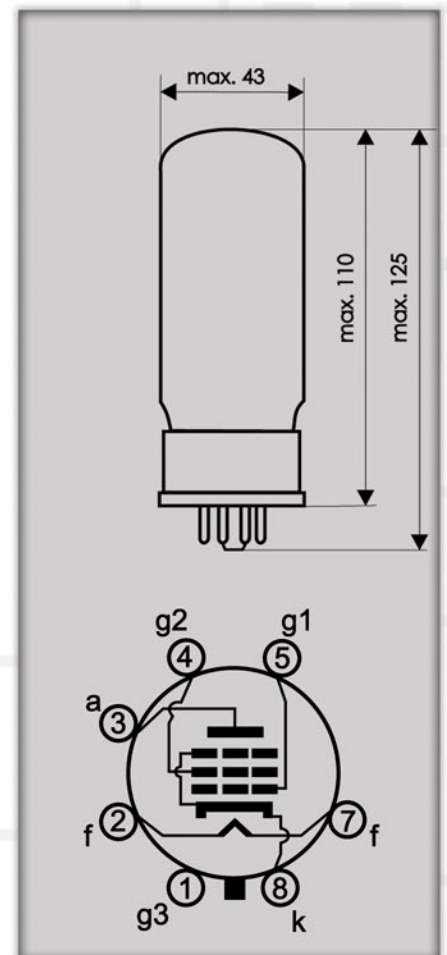
TELEFUNKEN

Elektroakustik

6550-TK TUBE DATA SHEET

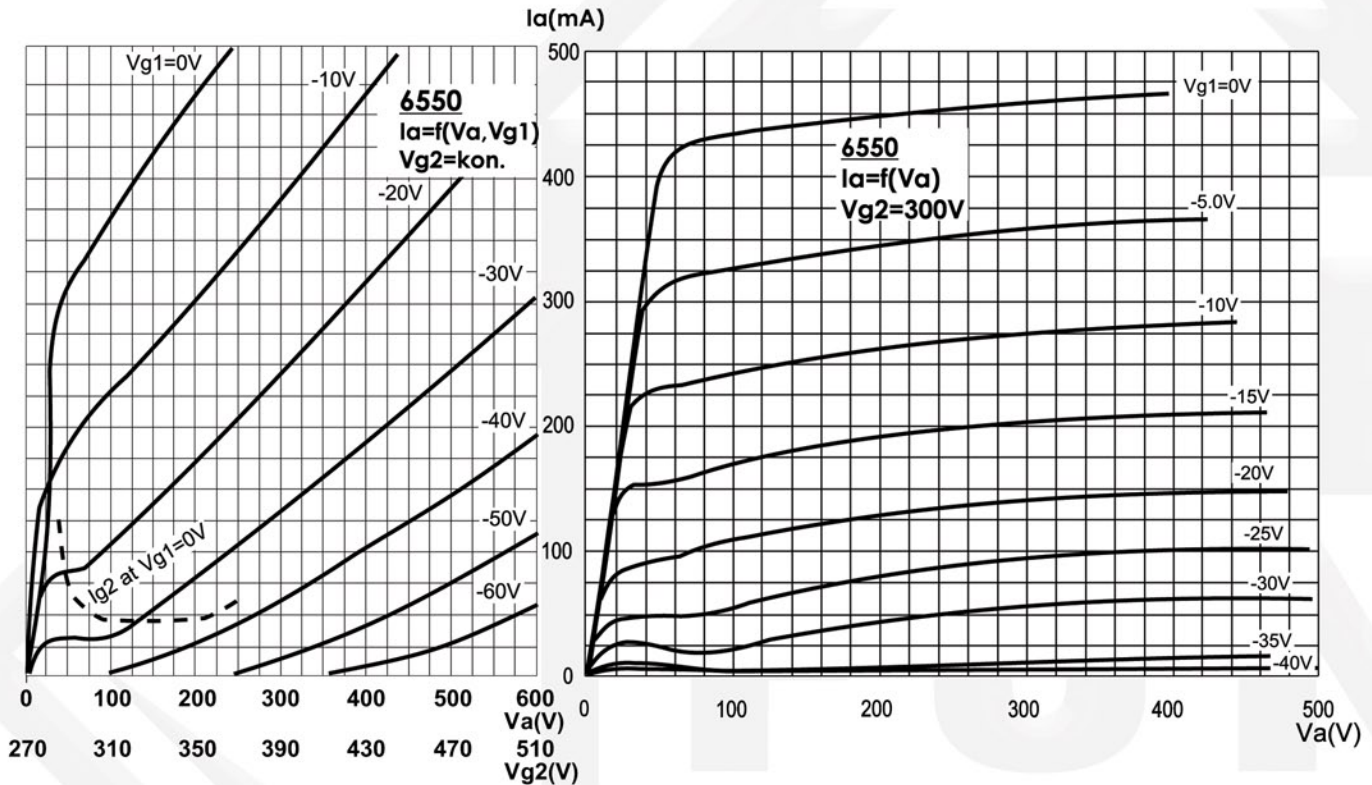


Mechanical			
Type	A.F. Beam Pentode		
Base	Octal		
Number of Pins	7-Pin		
Heater Requirements - Indirect by A.C. or D.C.			
Parameter	Symbol	Value	Unit
Heater Voltage	V_f	6.3	V
Heater Current	I_f	1.6	A
Direct Interelectrode Capacitances			
Grid #1 to all except Plate	C_{g1}	14	pF
Plate to all except Grid #1	C_a	12	pF
Plate to Grid #1	C_{ag1}	0.85	pF
Maximum Ratings - Design Maximum Values			
Plate Voltage	V_a	600	V
Grid #2 Voltage	V_{g2}	400	V
Grid #1 Voltage (negative bias value)	V_{g1}	-300	V
Grid #1 Voltage (positive bias value)	V_{g1}	0	V
Cathode Current	I_k	175	mA
Plate Dissipation	P_a	35	W
Grid #2 Dissipation	P_{g2}	6	W
Typical Operation and Characteristics - Class A ₁ Amplifier, Pentode Connection			
Plate Voltage	V_a	250	V
Grid #2 Voltage	V_{g2}	250	V
Grid #1 Voltage	V_{g1}	-14	V
Plate Current	I_a	140	mA
Grid #2 Current	I_{g2}	12	mA
Transconductance	g_m	11.8	mA/V
Internal Plate Resistance (approx.)	r_a	16	kΩ



UTRA - LINEAR CONNECTION - 40% TAPS

PLATE CHARACTERCTICS



6550 HISTORY

The TELEFUNKEN 6550-TK is a high output power tube suitable for use in guitar amplifiers and Leslie speaker systems. Ideal for use in classic Marshall, Fender and Ampeg tube circuits, the 6550-TK offers outstanding performance and stability.

Tung-Sol developed the 6550 in 1955 for use as a servo amplifier and in industrial applications. The design is based on the 6L6, but with more gain and better stability.

Like the 6L6, the 6550 is a beam power tube design (or power tetrode) that can painlessly deliver 35 watts at its output. Any bass player with an Ampeg SVT knows the beauty of the 6550 sound, as well as the raw power they can deliver. One of the best features of the 6550 is the tube's long life characteristic, which will grant the user fewer tube changes over the years.

BLACK DIAMOND SERIES VACUUM TUBES

TELEFUNKEN vacuum tubes have been the benchmark of excellence in all audio applications, both production and reproduction, for many decades. Today, this rich history continues with the introduction of new production tubes from TELEFUNKEN Elektroakustik, in partnership with JJ Tubes from the Carpathian Mountains of Cadca in Slovakia.

Each tube is meticulously measured for all critical parameters of performance including transconductance, gain, noise, and microphonics. All TELEFUNKEN branded tubes are hand-picked to be the best examples of Eastern European construction in the proud tradition with which the name TELEFUNKEN Elektroakustik has become synonymous.

In addition to the rigorous testing procedure, all new production TELEFUNKEN tubes are cryogenically treated to ensure durability, and subjected to an extended burn-in period to ensure superior stability. The tubes are re-measured subsequent to burn-in, and again before final packaging, in order to guarantee that only the best, lowest noise tubes are offered.