



SVETLANA KT88 HIGH PERFORMANCE BEAM POWER TRODE

Glass envelope beam power tetrode. High plate dissipation rating. Enhanced sonic performance, including: increased peak cathode emission from new cathode materials; stable operation from extended processing and aging; gold-plated grid; new tri-plate anode; single-piece beam forming electrolyte; precise grid/screen alignment; improved vacuum processing. Designed to be a direct replacement for any KT88, KT90, KT99 or 6550.

Electrical

Heater:	Min.	Nom.	Max.	
Voltage (AC or DC)	5.7	6.3	6.9	V
Current			1.6	A
Cathode:	Oxide-coated, unipotential			
Cathode-to-heater potential, max.		-250*	250**	V
Direct interelectrode capacitances***				
Grid 1 to cathode and grid 3, grid 2, base sleeve and heater			16.0	pF
Plate to cathode and grid 3, grid 2, base sleeve and heater			12.0	pF
Grid 1 to plate			1.2	pF

Maximum ratings, AF Power Amplifier

DC plate voltage	800	V
Grid 2 DC (screen) voltage	600	V
Grid 1 DC (control) voltage	-300	V
DC cathode current	230	mA
Plate dissipation	42	W
Grid 2 (screen) dissipation	8	W

Typical Operation Class A₁ (single tube)

DC plate voltage	400	V
Grid 2 DC (screen) voltage	225	V
Grid 1 DC (control) voltage	-16.5	V
Peak AF grid 1 (control) voltage	16.5	V
Zero-signal plate current	87	mA
Max signal plate current	105	mA
Zero signal grid 2 (screen) current, DC	4	mA
Max signal grid 2 (screen) current	18	mA
Transconductance	11,500	μ S
Signal output	19	W

*Max with heater negative to cathode **Max with heater positive to cathode ***Without external shielding

