



SVETLANA 6D22S

HIGH PERFORMANCE

HALF - WAVE RECTIFIER

Power diode for use as a half-wave B+ rectifier in high-quality audio amplifiers. Originally intended for color-TV damper-diode service, the 6D22S is similar to the 6DL3 except for base connections and some ratings. Features very slow warmup (30 seconds typical), making it an excellent, rugged power-on delay device for audio amplifiers. Its warm-up time is longer than that of common rectifier tubes (such as the 5AR4/GZ34), and it is lower in cost than electronic delay relays.

Its heater may be operated from the same supply as other tubes in amplifier, up to $E_p = 600V$. Its high pulse current capability gives sound quality which is superior to commonly-used rectifier tubes.

Electrical

Cathode	Oxide-coated, unipotential	V
Voltage (AC or DC)	6.3 ± 0.6	A
Current	1.9	
Heater-cathode voltage	+200V, -600V, continuous	
Interelectrode capacitances (typical):		

Plate to cathode	12.0	pF
Forward voltage drop w/ 300mA DC forward current (typical)	20	V

Maximum Ratings

Peak inverse plate voltage	6000	V
Peak plate current	1	A
Plate current, continuous	300	mA
Plate dissipation	11	W
Envelope temperature	200 °	C

