

19A3 is a half-wave rectifier tube for use in transformer-less radio receivers. As the heater voltage is 19 V, this tube is most suitable for use in FM/AM radio receivers, etc.

BASE E7-1 Miniature Button 7-Pin

MOUNTING POSITION—Any

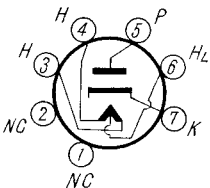
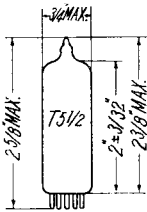
HEATER

Voltage	{Pins 3 and 4.. 19* 17.3** (V)
	{Pins 4 and 6.. 3.0 2.2 (V)
Current0.15 0.15 (A)

* Without Panel Lamp
 ** With Panel Lamp (3.2V 0.16A)

MAXIMUM RATINGS (Design Center Values)		TYPICAL OPERATION (With Capacitor Input to Filter)			
Peak Inverse Plate Voltage	350 (V)	A.C. Plate Supply Voltage (RMS)			
Peak Plate Current	450 (mA)	100**	117**	127**	127* (V)
D.C. Output Current		D.C. Output Current			
With Panel Lamp and		70	60	70	70 (mA)
{No Shunting Resistor	60 (mA)	Panel Lamp Shunting Resistor			
{Shunting Resistor	70 (mA)	200	—	200	— (Ω)
Without Panel Lamp	70 (mA)	Effective Plate—Supply Impedance			
Peak Heater—Cathode Voltage		25	25	40	0 (Ω)
Heater negative with		Filter Input Capacitor			
respect to cathode	350 (V)	100	50	100	100 (μF)
Heater positive with		D.C. Output Voltage at Input to Filter			
respect to cathode	350 (V)	(Approx)			
		At Half-Load Current of 35 (mA)			
		—	—	—	150 (V)
		At Full-Load Current of 70 (mA)			
		—	—	—	140 (V)

* Without Panel Lamp
 ** With Panel Lamp (3.2V, 0.16 A)



TYPICAL CIRCUIT FOR OPERATION WITH PANEL LAMP

