



U107 RECTIFIER

DESCRIPTION

Type U107 is an indirectly heated half-wave rectifier mounted on the miniature B7G all-glass base. It is designed for series heater connection.

RATINGS

Heater Current	...	...	...	...	...	...	...	0.1	amp
Heater Voltage	...	...	...	...	...	...	...	40	volts
D.C. Heater/Cathode Voltage	...	...	...	...	...	...	...	350	max. volts
Peak Heater/Cathode Voltage	...	...	...	...	...	...	...	700	max. volts
Peak Inverse Voltage	...	...	...	...	...	...	...	700	max. volts
Input Voltage, R.M.S.	...	...	...	...	...	...	...	250	max. volts
D.C. Output Current	...	...	...	...	...	...	...	90	max. mA
Peak Anode Current	...	...	...	...	...	...	...	540	max. mA
Surge Anode Current	...	...	...	...	...	...	...	1.8	max. amps

OPERATING CONDITIONS

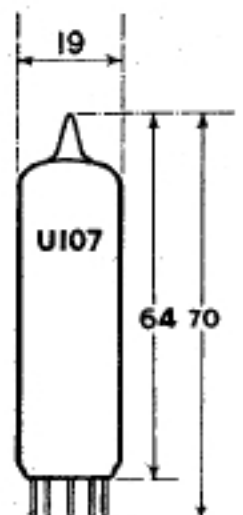
Single phase half wave circuit capacitor input.

Peak Inverse Voltage	...	...	...	...	...	...	...	700	volts
Input Voltage, R.M.S.	...	...	...	...	...	...	...	250	volts
D.C. Output Voltage	...	...	...	...	...	...	...	240	volts
D.C. Output Current	...	...	...	...	...	...	...	90	mA
Peak Anode Current	...	...	...	...	...	...	...	540	mA
Surge Anode Current	...	...	...	...	...	...	...	1.8	amps
Phase Current, R.M.S.	...	...	...	...	...	...	...	190	mA
Source Resistance	...	...	...	...	...	...	...	200	ohms
Reservoir Capacitance	...	...	...	...	...	...	...	16	mfd
Ripple	...	...	...	...	...	...	...	15	%

MOUNTING ... Any position

TYPE OF SWITCHING ... Direct

DIMENSIONS



View looking on underside of base.

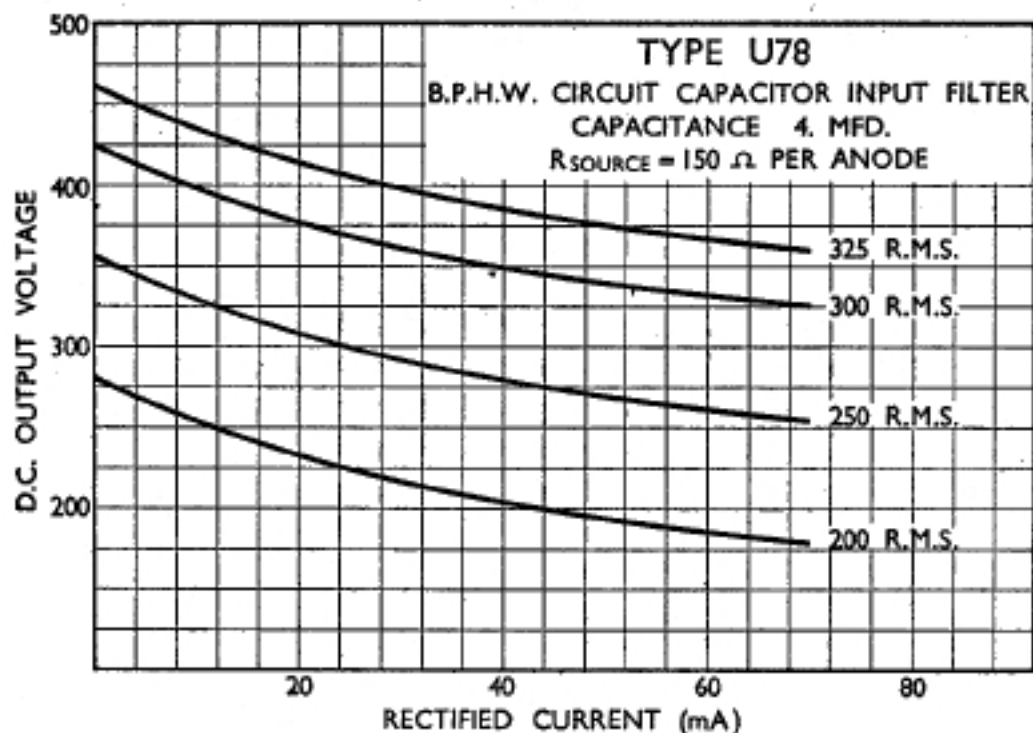
BASE

B7G

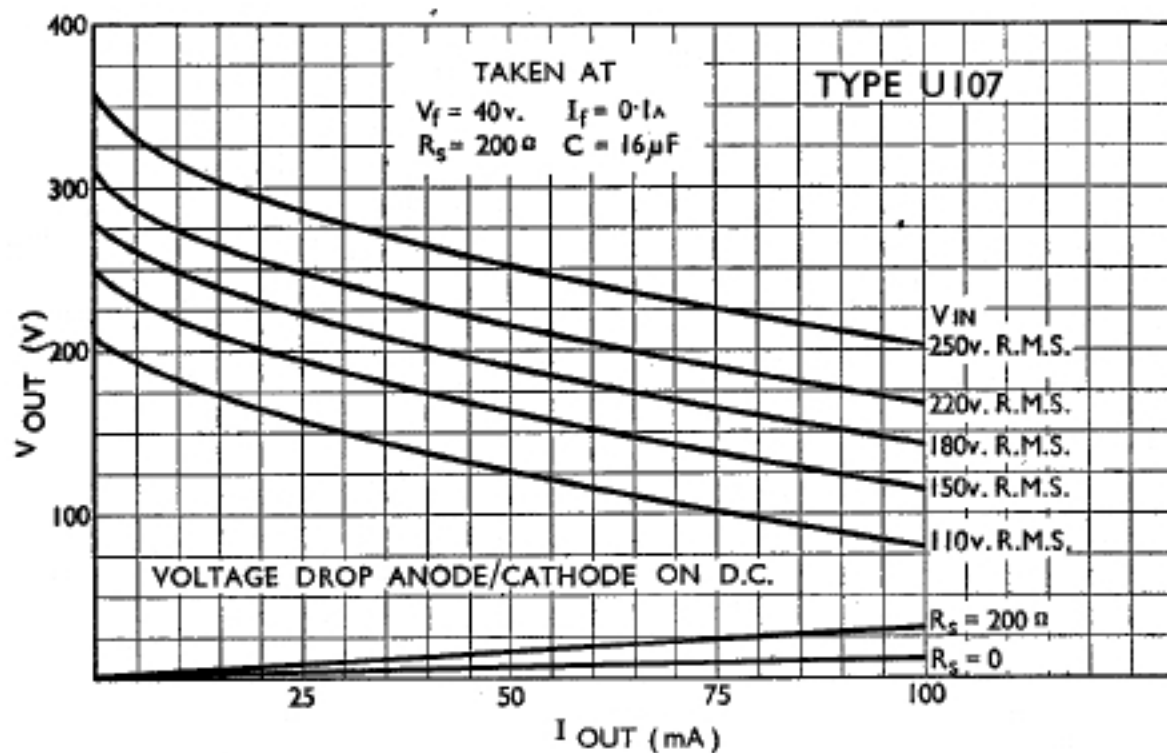
- Pin 1: Heater
- 2: Anode
- 3: Cathode
- 4: Not connected
- 5: Not connected
- 6: Anode
- 7: Heater

All dimensions are in mm. and are the maximum except where otherwise stated.

TYPE U78



TYPE U107



V_f = Heater voltage

I_f = Heater Current

R_s = Source resistance

C = Reservoir Capacitance

CHARACTERISTIC CURVES OF AVERAGE VALVE.