PHILCO CORPORATION

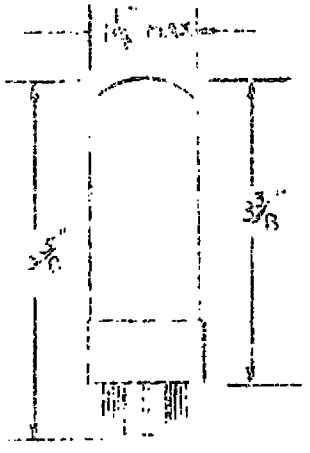
Philco Tube Development Laboratory
Church Road
Lansdale, Penna.

6325
Description and Rating
Full-wave Rectifier

Preliminary Data

Cathode	Coated Unipotential
Heater Voltage (AC or DC)	6.3 volts
Heater Current	2.7 amps
Envelope	T-9 glass
Base	Short shell low loss barrier type octal
Mounting Position	Any

Physical Dimensions

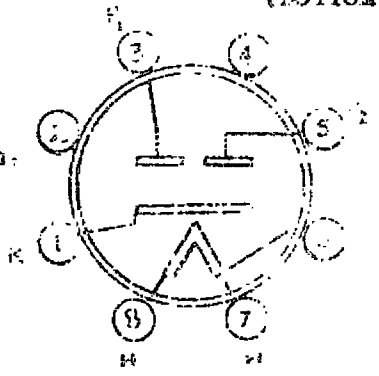


Terminal Connections

Pin 1	K
Pin 2	-
Pin 3	P_1
Pin 4	-
Pin 5	P_2
Pin 6	Int. Conn.
Pin 7	H
Pin 8	H

Basing Diagram

(BOTTOM VIEW)



8 MA

Absolute Maximum Values

Max. Heater Cathode Voltage	500 volts
Max. Steady state Peak Plate Current	550 ma/plate
Max. D. C. Output Current	250 ma.
Max. Peak Inverse Voltage	2200 V.
Tube Drop (approx. at 150 ma.) plate	22 V. max.
R.M.S. Voltage per plate	780 V.
Hot-Switching Transient Plate Current for Duration of 0.2 Second Max.	2.0 amp max.

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Life Test Conditions	Condenser Input	Choke Input
AC Plate Voltage (RMS) (60 cycle)	350 volts	780 volts
Filter Input Capacitor	4 uf	4 uf
D.C. Output Current (per plate)	125 ma	75 ma
D.C. Output Voltage	285 V.	650 v.
Peak Plate Current (per plate)	550 ma	
Filter Input Inductance		4.5 henry
Peak Inverse Voltage with full Load	975 volts	2200 volts
Plate Series Resistance/plate	250 ohms	
Ambient Temperature	125°C	125°C
500 hour Life Test Expectancy	90% min.	90% min.
1000 hour Life Test Expectancy	80% min.	80% min.

Note: Filament voltage is to be applied one minute before application of plate voltage.

Ruggedization: Tubes withstand impact shock of 450g (Hammer Angle = 30°) as tested in both vertical and horizontal mounting planes on Taft-Pierce Shock Tester. Tubes shall not show shorts during test, nor tap or permanent shorts or open circuits after shock test.