

## TUBE RECTIFIERS DATA – QUICK SHEET

**5Y3 / 5Y3G** – FIL : 5V, 2.0A, Drop : 60V @ 125ma

Directly Heated Cathode: Higher Current, but noisy because use the filament as cathode

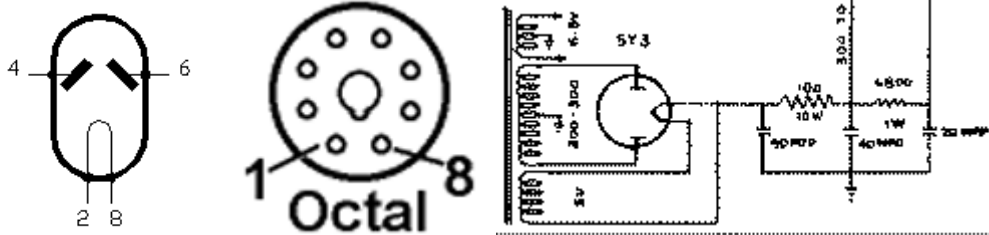
Output cap : 40uF typ. Ik max : 375ma pk, PIV : 1400V

Application Data: Vin: 350-0-350 Cur: 125ma

Effective Plate supply impedance per plate 140 Ohms

Typical Application : Power Amp

Socket : Medium Size 8-Octal (EIA - 5T)



**5AR4 / GZ34** - FIL : 5V, 1.9A, Drop : 17 V @ 225ma

Indirectly heated cathode Rectifier Tube : Small current Application

Probably the best rectifier ever made. Very long life if kept below the limits.

Cap input to filter (max): 60 uF

Application Data : Vin: 550-0-550 Cur: 160ma Rserie:175 ohms

peak inverse voltage: 1500 V peak plate current: 750 mA

AC plate supply (max RMS each plate): 550 V Steady state DC output current: 250 mA

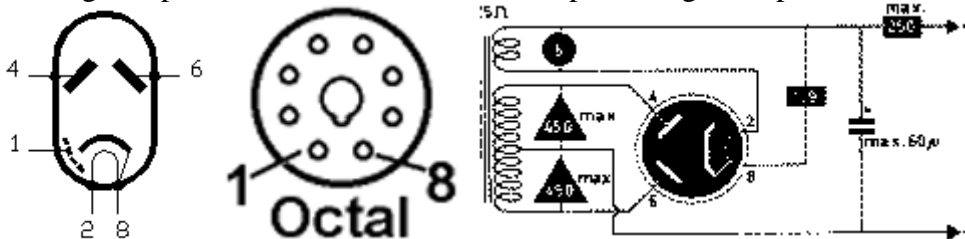
Appl: Line Stage, Phono Preamp, ex : Cary Audio PH302, Audio Research Reference

TYPICAL OPERATION

AC plate to plate supply voltage 450 V Plate supply impedance per plate 160 Ohms

Average output current 225 Ma

DC output voltage at input to filter 475 V



**6X4 / EZ90**, FIL: 6.3, 0.6A, Drop : 22V @ 70ma

12X4 (12V FIL model)

Indirectly heated cathode *Miniature* Rectifier Tube

B7G Socket

Application Data : Vin: 325-0-325, Imax: 70ma, Cout: 40uF, Rserie: 525 ohms

peak inverse voltage: 1250 V

peak plate current: 210 mA

TYPICAL OPERATION

AC plate to plate supply voltage 325 V Plate supply impedance per plate 525 Ohms

Average output current 70 Ma

DC output voltage at input to filter 310V

