Half-Wave Vacuum Rectifier

Min

121

Max.

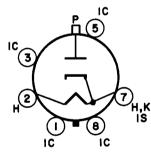
For High-Voltage Rectifier Circuits in Color and Black-and-White TV Receivers

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-				a 1	-

mın.	AU.	max.	
-	0.220	-	volts amp pf
			-
	Coated 3-5 See Gen	Unipot 4 5/16" ± 1 eral S 	ential -1/16" 3/16" -9/32" ection T9 -1) or
o 1, M n Exte o 1, M	lo.B6-8) ernal Ba lo.B6-60	rriers)	:
	2.65 pprox Small Suppo	2.65	2.65

Pin 2-Heater Pin 3-Do Not Use Pin 5-Do Not Use Pin 7 - Heater, Cathode, Internal Shield

Pin 8 - Do Not Use Cap - Plate



PULSED-RECTIFIER SERVICE

Maximum Ratings, Design-Maximum Values:

For operation in a 525-line, 30-frame system Peak Inverse Plate Voltage? . . 30000 volts Peak Plate Current. . 88 ma Average Plate Current . . 1.7 ma

- Indicates a change.

a This rating is applicable when the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.

OPERATING CONSIDERATIONS

The high voltages at which the 3A3 is operated are very dangerous. Great care should be taken in the design of equipment to prevent the operator from coming in contact with these high voltages. Particular care against fatal shock should be taken in the measurement of heater voltage. Under all circumstances, circuit parts which may be at high potentials should be enclosed or adequately insulated.

 $\it X-radiation.$ The voltages employed in some television receivers and other high-voltage equipment are sufficiently high that high-voltage rectifier tubes may produce $\it X-radiation$ which can constitute a health hazard unless such tubes are adequately shielded. Relatively simple shielding should prove adequate, but the need for this protection should be considered in equipment design.

