

This data sheet should be read in conjunction with
“Operating Notes, Part II—Mercury Vapour Rectifiers”,
included in this volume of the Handbook.

FILAMENT

V_f	5.0	V
I_f	6.75	A

LIMITING VALUES

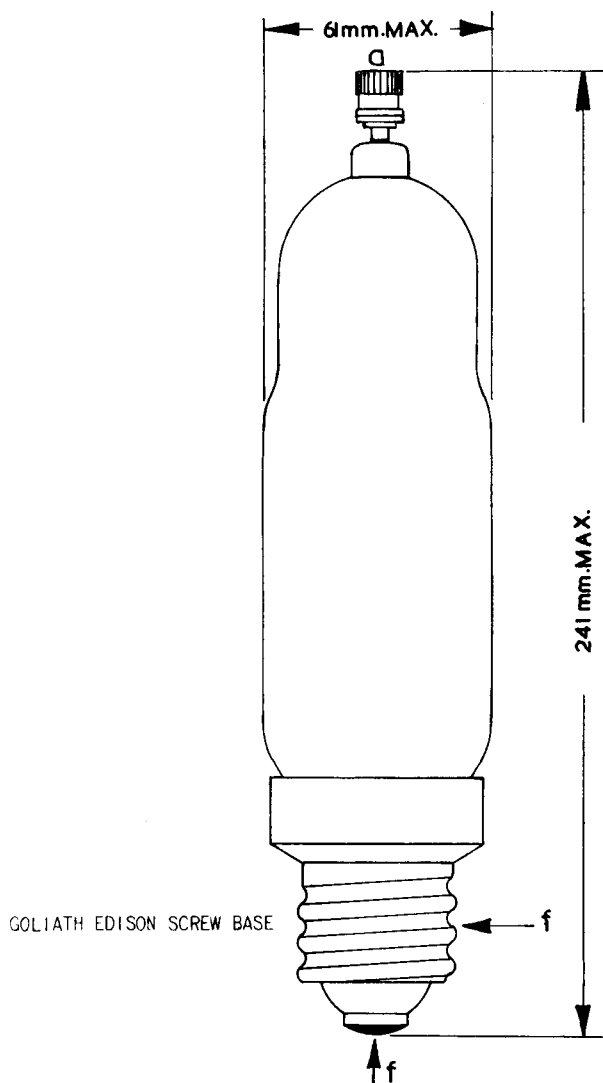
Max. Peak Inverse Voltage (150c/s max.)	13,000	V
Max. Peak Anode Current	5	A
Max. Mean Anode Current	1.25	A
Voltage Drop across Valve (approx.)	16	V
Ambient Temperature	10 to 40	°C
Condensed Mercury Temperature	25 to 65	°C

FULL LOAD OPERATING CONDITIONS

Circuit	No. of Valves	Full Load D.C. Output		Applied A.C. Volts ($V_{(r.m.s.)}$)	Initial Filter Elements	
		(V)	(A)		$L_{min.}$ (H)	$C_{max.}$ (μF)
Single Phase Full Wave	2	4,140	2.5	4,600 (per valve)	2.5	6
Single Phase Bridge	4	8,280	2.5	9,200 (total)	5	3
Three Phase Half Wave	3	5,370	3.75	4,600 (per phase)	1.5	4
Three Phase Full Wave	6	12,400	3.75	5,300 (per phase)	3.0	2

RG4-1000

MERCURY VAPOUR
RECTIFIER



WEIGHTS

Valve only	10oz.	(0.28 Kg.)
Valve and Carton	3lb. 10oz.	(1.64 Kg.)