

4 VALVE DATA H PREFERRED TYPES

H TRANSMITTING VALVES AND MERCURY VAPOUR RECTIFIERS

QQZ
04-15
(contd.)

LIMITING VALUES

Continuous operation

V_a max.	400	V
p_a max.	2×6	W
V_{g2} max.	250	V
p_{g2} max.	2×2	W
I_k max.	2×40	mA
i_k (pk) max.	2×160	mA
V_{g1} max.	-250	V
I_{g1} max.	2×5	mA
R_{g1-t} max. (each section)	0.5	M Ω
Max. operating frequency at full ratings	186	Mc/s
Max. temperature of base pins	80	$^{\circ}\text{C}$
Max. temperature of bulb	200	$^{\circ}\text{C}$

Intermittent operation (other limiting values as for continuous operation)

p_a max.	2×8	W
p_{g2} max.	2×2.5	W
I_k max.	2×50	mA
i_k (pk) max.	2×200	mA
Max. temperature of base pins	100	$^{\circ}\text{C}$
Max. temperature of bulb	250	$^{\circ}\text{C}$



BASE :
B8G

DIMENSIONS :
L=100 mm
D=32 mm

RGI-240A Mercury vapour rectifier

FILAMENT

V_f 4.0 V I_f 2.7 A approx.

LIMITING VALUES

Max. peak inverse voltage (150 c/s max.)	6,500	V
Max. peak anode current	1,250	mA
Max. mean anode current	250	mA
Voltage drop across valve	16 V approx.	
Ambient temperature	10 to 40	$^{\circ}\text{C}$
Condensed mercury temperature	25 to 65	$^{\circ}\text{C}$

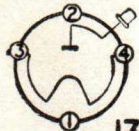


TRANSMITTING VALVES AND MERCURY VAPOUR RECTIFIERS

FULL LOAD OPERATING CONDITIONS

RG1-240A
(contd.)

Circuit	No. of Valves	Full load D.C. output		Applied A.C. volts	Initial filter Elements	
		(V)	(mA)		L henries (min.)	C μ F (max.)
Single phase full wave	2	2,000	500	2,220 (per valve)	7.0	5.0
Single phase bridge	4	4,000	500	4,440 (total)	14.0	2.5
Three phase half wave	3	2,750	750	2,350 (per phase)	2.5	2.0
Three phase full wave	6	6,000	750	2,570 (per phase)	5.0	1.0



BASE :
British
4-pin

DIMENSIONS :
L=139 mm
D=48 mm

131

Mercury vapour rectifier FILAMENT

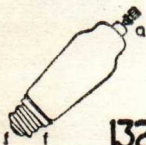
V_f 2.5 V I_f 5.0 A approx.

LIMITING VALUES

Max. peak inverse voltage (150 c/s max.)	10,000	V
Max. peak anode current	1.0	A
Max. mean anode current	0.25	A
Voltage drop across valve	16 V approx.	
Ambient temperature	10 to 40	$^{\circ}$ C
Condensed mercury temperature	25 to 65	$^{\circ}$ C

FULL LOAD OPERATING CONDITIONS

Circuit	No. of valves	Full Load D.C. output		Applied A.C. volts	Initial Filter elements	
		(V)	(mA)		L henries (min.)	C μ F (max.)
Single phase full wave	2	3,150	500	3,500 (per valve)	10	2
Single phase bridge	4	6,300	500	7,000 (total)	20	1
Three phase half wave	3	4,100	750	3,500 (per phase)	6.0	1
Three phase full wave	6	9,500	750	4,000 (per phase)	10	0.5



BASE :
Standard Edison
Screw

DIMENSIONS :
L=138 mm
D=48 mm

132

