EAF42

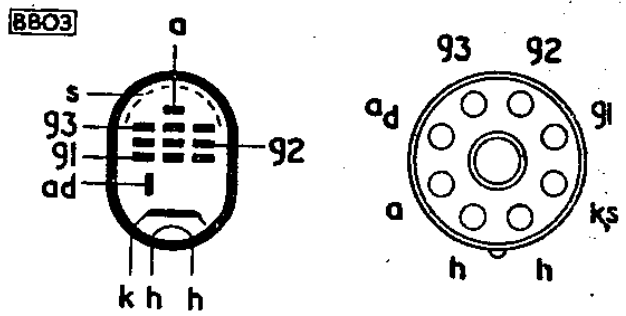
SINGLE DIODE R.F. PENTODE

HEATER

V_h	6.3	V
I_h	200	mA

DIMENSIONS

Max. Overall Length	60	mm
Max. Diameter	22	mm



B8A

LIMITING VALUES

Pentode Section

V_a max.	300	V
p_a max.	2.0	W
V_{g2} max. (I_a<2.5 mA)	300	V
V_{g2} max. (I_a=5.0 mA)	150	V
p_{g2} max.	300	mW
I_k max.	10	mA
R_{g1-k} max.	3.0	MΩ
*R_{g3-k} max.	3.0	MΩ
R_{h-k} max.	20	kΩ
V_{h-k} max.	100	V

*For $v_{g3(pk)}$ not exceeding +10 V.

Diode Section

$v_{ad(pk)}$ max.	200	V
I_{ad} max.	800	μA
V_{h-k} max.	100	V

CAPACITANCES

C_{ad-g1}	<0.0015	pF
C_{ad-ap}	<0.15	pF

Pentode Section

C_{a-g1}	<0.002	pF
C_{out}	5.1	pF
C_{in}	4.5	pF
C_{g1-h}	<0.05	pF

Diode Section

C_{ad-k}	3.8	pF
C_{ad-h}	<0.02	pF

OPERATING CONDITIONS

$V_a=V_b$	250	V
R_{g2}	110	kΩ
V_{g2}	85	V
R_k	310	Ω
V_{g1}	−2.0	V
I_a	5.0	mA
I_{g2}	1.5	mA
g_m	2.0	mA/V
r_a	1.4	MΩ
μ_{g1-g2}	18	
*V_{g1}	−43	V
R_{eq}	7.5	kΩ

*For 100 :1 reduction in g_m.

REPLACEMENT FOR: WD150—Direct.
EAF41—Connect pins 4 and 7 together.