

DCC90

R.F. DOUBLE TRIODE

FILAMENT

	Series	Parallel	
V_f	2.8	1.4	V
I_f	110	220	mA

CAPACITANCES

(measured without external shield)

$C_{a'-a''}$	0.32	pF
C_{g-f} (each section)	0.9	pF
C_{a-f} (each section)	1.0	pF
C_{a-g} (each section)	3.2	pF

LIMITING VALUES (each section) (Intermittent operation)

V_a max.	135	V
$-V_g$ max.	30	V
I_a max.	15	mA
I_g max.	2.5	mA
P_a max.	1.0	W

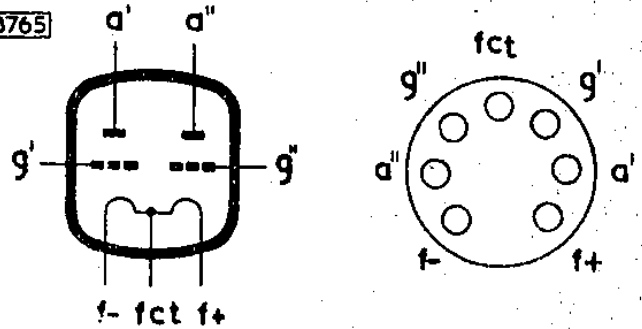
For continuous operation the above maximum current and power ratings must be reduced by 50%.

CHARACTERISTICS (each section)

V_a	90	V
V_g	-2.5	V
I_a	3.7	mA
μ	15	
r_a	8.3	k Ω
g_m	1.8	mA/V

REPLACEMENT FOR: 3A5—Direct.

8765



B7G

DIMENSIONS

Max. Overall Length	54.5	mm
Max. Seated Height	47.5	mm
Max. Diameter	19	mm

OPERATING CONDITIONS

Push pull R.F. amplifier or oscillator
at 40 Mc/s.

(Intermittent operation)

V_a	135	V
* V_g	-20	V
R_{g-f}	4.0	k Ω
R_k	570	Ω
$V_{in(pk)}$	2 × 45	V
I_a	2 × 15	mA
I_g (approx.)	2 × 2.5	mA
P_g (approx.)	200	mW
P_{out} (approx.)	2.0	W

*Obtained from fixed supply, or by means of cathode or grid resistor of value shown.