DISC SEAL TRIODE

TD05-12

Indirectly heated disc seal triode primarily intended for stable local oscillator service between 1000 and 1200Mc/s.

PRELIMINARY DATA

This data should be read in conjunction with GENERAL OPERATIONAL RECOMMENDATIONS – TRANSMITTING VALVES included in this volume of the handbook.

HEATER

V_h	6.3	V
I_h	750	mA

MOUNTING POSITION

Any

CAPACITANCES

c_{a-g}	1.7±0.2	pF
c_{g-k}	2.2±0.3	pF
c_{a-k}	<0.025	pF
$*c_{k-k(r.f.)}$	>100	pF

*Capacitance between d.c. and r.f. cathode connections

CHARACTERISTICS (measured at $V_a = 250V$, $V_g = 0V$)

g_m	4.0	mA/V
μ	65	

LIMITING VALUES (absolute ratings)

V_a max.	500	V
I_a max.	40	mA
p_a max.	12	W
f max.	1300	Mc/s
T_{seal} max.	200	°C

TYPICAL OPERATING CONDITIONS AS LOCAL OSCILLATOR

f	1100	Mc/s
V_a	150	V
I_a	10	mA
I_g	1.5	mA
R_{g-k}	0	Ω
P_{in}	1.5	W
P_{out} (approx.)	20	mW
p_a	1.48	W

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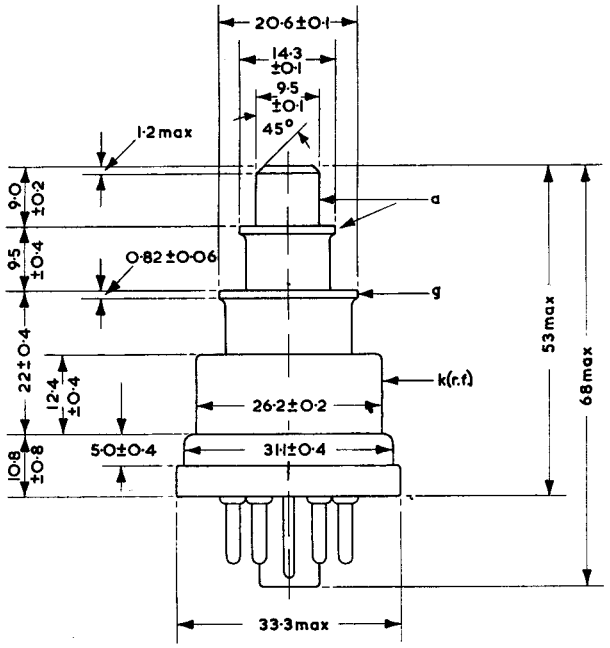

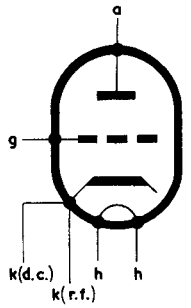

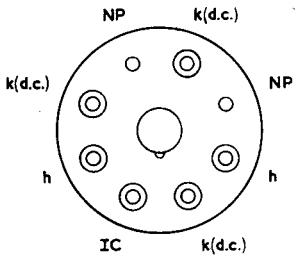

Octal Base

All dimensions in mm 3896