

$f_1 = 150 \cdot 10^6$, $f_2 = 170 \cdot 10^6$ Note: 2" O.D. + 5/8" I.D. = 69.6 ohms

Open 6J6-open Date	Circuit Element	2nd stage	Diode	Input	Antenna
1.4	C ₁	3.3 μ f	3.5	1.8	140
1.4	C ₃	3.3 "	1.5	3.3	1.4
25.4	l ₁	20 cm	20 cm	20 cm	10
25.4	l ₃	20 "	20 cm	20 "	25.4
612	Z ₁	329 ohms	310 ohms	604 ohms	15.5 ohms
612	Z ₃	329 "	720 ohms	329 ohms	612 "
2-69.4 ohms series 2-10cm each	Z ₂	74.5 ohms	2-35.6 ohms series	2-33.6 ohms series	2-14.7 ohms series
	l ₂	10 cm	2-15cm each	2-15cm each	2-7.5cm each
1.0	ϕ	1.0	.429	1.83	.01
5050	K ₁	2140 ohms	2020	3920	50.5
5050	K ₂	2140 ohms	4710	2140	5050

R_p of 6J6 about 6000 Ω therefore plate to plate tube appears as 12000 Ω which is large compared to 3920

Place tuning condensers across 6J6 plates and diode plates to adjust bandwidth to match that of inbuilt stub 2 1/2" dia and 6" long