

Pair of transistors for the driver stage.

Q7 v1.3.8

Config ID	LIVE		Status	Parts	Qg nC	Gfs Sie	Ciss pF	R7	R8	Freq MHz		R7	R8	Freq MHz		R7	R8	Freq MHz			OK	Comment	
	Q5	P	N	FQFP7P20	25	3.5	770	100		2.06		93.95			2.2		100				2.2	Yes	Small oscillation at clip (Q6).
	Q6	N	EOL	2SK3564	17	2.6	700		100	2.27			103.34	2.2			100			2.2	Yes		

CANDIDATE		Status	Parts	Qg nC	Gfs Sie	Ciss pF	R7	R8	Freq MHz		R7	R8	Freq MHz		R7	R8	Freq MHz			OK	Comment
Q5	P		IRF9610	11	0.9	170	100		9,36		98,54		9,5								
Q6	N		IRF610	8.2	0.8	140		100	11,36			119,66	9,5								

Pair of transistors for the output stage.

DEFAULT		Status	Parts	Qg nC	Gfs Sie	Ciss pF	R14
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Config S2	LIVE		Status	Parts	Qg nC	Gfs Sie	Ciss pF	R14	R15	Freq KHz		R14	R15	Freq KHz		R14	R15	Freq KHz	THD+N %	SNR dBu	OK	Comment	Subjective sound review
	Q15	N		FQA46N15	110	36	2500	330		192,92		335,06		190		330		190	0,013	87,1	Yes	Overshoot with config D3.	Nice medium and dynamic sound.
	Q16	P		IXTH48P20P	103	32	5400		330	89,31			155,12	190			150	190		Yes	Need R15=150R to remove overshoot.	Volcals with grain.	

Config S4	TESTED		Status	Parts	Qg nC	Gfs Sie	Ciss pF	R14	R15	Freq KHz		R14	R15	Freq KHz		R14	R15	Freq KHz	THD+N %	SNR dBu	OK	Comment	Subjective sound review	
	Q15	N		IXTQ36N30P	70	22	2250		330		214,35		372,29		190		374		190	0,022	87.2 dB	Yes	Tested with config D2.	High frequencies set back.
	Q16	P		IEXTQ36P15P	55	19	3100			330		155,57			270,21	190			160	320		Yes	Need R15=160R to remove overshoot.	Vocals with grain. Round bass

CANDIDATE	Status	Parts	Qg nC	Gfs Sie	Ciss pF	R14	R15	Freq KHz	R14	R15	Freq KHz	R14	R15	Freq KHz	THD+N %	SNR dBu	OK	Comment
Q15	N	IXTQ50N20P	70	23	2720	330		177,31	307,96		190							
Q16	P	IXTQ36P15P	55	19	3100		330	155,57		270,21	190							

CANDIDATE		Status	Parts	Qg nC	Gfs Sie	Ciss pF	R14	R15	Freq KHz		R14	R15	Freq KHz		R14	R15	Freq KHz	THD+N %	SNR dBu	OK	Comment
Q15	N		IRFP240	70	6.9	1300	330		370,99		644,35		190								
Q16	P		IRFP9240	44	9.4	1200		330	401,90			698,04	190								

SIM NOT WORKING	Status	Parts	Qg nC	Gfs Sie	Ciss pF	R14	R15	Freq KHz		R14	R15	Freq KHz		R14	R15	Freq KHz	THD+N %	SNR dBu	OK	Comment
Q15	N	ECW20N20		8	900	330		535,87		930,73		190								
Q16	P	ECW20P20		3	1850		330	267,93			452,78	190								

Minimum $V_{ds} = 60V$, same $V_{gs(th)}$ range (4V)

[illegible]