

Q17 Power Transistors Selection Table

Pair of transistors for the driver stage.

Q7 v1.1.2

Minimum default config										Caculated (RCiss filter)				Official resistor range		
ORIG		Status	Parts	Gfs Sie	Ciss pF	R7	R8	Freq MHz		R7	R8	Freq MHz		R7	R8	Freq MHz
Q5	P	EOL	FQP3P20	1.23	190	100		8,38		104,7		8		100		8
Q6	N	EOL	FQP3N30	1.75	75		100	21,22			265,25	8			270	8
LIVE					Ciss pF	R7	R8	Freq MHz		R7	R8	Freq MHz		R7	R8	Freq MHz
Q5	P		FQPF7P20	3.5	590	100		2,70		122,61		2,2		120		2,2
Q6	N	EOL	2SK3564	2.6	700		100	2,27			103,34	2,2			100	2,2
NOT TESTED					Ciss pF	R7	R8	Freq MHz		R7	R8	Freq MHz		R7	R8	Freq MHz
Q5	P		IRF9610	0.9	170	100		9,36		104,02		9		110		9
Q6	N		IRF610	0.8	140		100	11,36			126,31	9			130	9
TO TEST					Ciss pF	R7	R8	Freq MHz		R7	R8	Freq MHz		R7	R8	Freq MHz
Q5	P		FQPF7P20	3.5	590	100		2,70		99,9		2,7		100		2,7
Q6	N		FQPF3N80C	3	543		100	2,93			108,55	2,7			110	2,7

Pair of transistors for the output stage.

ORIG		Status	Parts	Gfs Sie	Ciss pF	R14	R15	Freq KHz		R14	R15	Freq KHz		R14	R15	Freq KHz
Q15	N	EOL	FQA46N15	36	2500	330		192,92		335,06		190		340		190
Q16	P	EOL	FQA36P15	19.5	2550		330	189,13			328,49	190			330	190
LIVE					Ciss pF	R14	R15	Freq KHz		R14	R15	Freq KHz		R14	R15	Freq KHz
Q15	N	EOL	FQA46N15	36	2500	330		192,92		707,35		90		715		90
Q16	P		IXTH48P20P	32	5400		330	89,31			327,47	90			330	90
TO TEST					Ciss pF	R14	R15	Freq KHz		R14	R15	Freq KHz		R14	R15	Freq KHz
Q15	N	EOL	FQA46N15	36	2500	330		192,92		374,48		170		374		170
Q16	P		IXTQ52P10P	20	2845		330	169,52			329,09	170			330	170
TO TEST					Ciss pF	R14	R15	Freq KHz		R14	R15	Freq KHz		R14	R15	Freq KHz
Q15	N		IXTQ50N20P	23	2720	330		192,92		344,19		170		340		170
Q16	P		IXTQ52P10P	20	2845		330	169,52			329,07	170			330	170
NOT TESTED					Ciss pF	R14	R15	Freq KHz		R14	R15	Freq KHz		R14	R15	Freq KHz
Q15	N		IRFP240	6.9	1300	330		370,99		330,88		370		330		370
Q16	P		IRFP9240	9.4	1200		330	401,90			358,45	370			360	370
NOT TESTED					Ciss pF	R14	R15	Freq KHz		R14	R15	Freq KHz		R14	R15	Freq KHz
Q15	N		IXFH50N85X	32	4480	330		107,65		394,72		90		390		90
Q16	P		IXTH48P20P	32	5400		330	89,31			327,47	90			330	90
SIM NOT WORKING					Ciss pF	R14	R15	Freq KHz		R14	R15	Freq KHz		R14	R15	Freq KHz
Q15	P		ECX10N20	1	500	330		964,57		331,57		960		330		960
Q16	N		ECX10P20	1.5	500		330	964,57			331,57	960			330	960