

# Bill of Material

## Transmitter for R/C Helicopter

(72.790MHz, 72.810MHz, 72.830MHz, 72.850MHz, 72.870MHz, 72.890MHz)

Model No.: WK-0702

Quantity	Footprint	Part Type	Designator
1	CAP 0603	2±5%	C13
1	CAP 0603	5.6±5%	C16
1	CAP 0603	6.2±5%	C40
2	CAP 0603	8.2±5%	C39. C14
2	CAP 0603	10±5%	C41. C32
3	CAP 0603	15±5%	C12. C27. C43
1	CAP 0603	18±5%	C2
1	CAP 0603	36±5%	C37
3	CAP 0603	39±5%	C29. C34. C33
1	CAP 0603	47±5%	C38
1	CAP 0603	82±5%	C19
2	CAP 0603	102±20%	C25. C26
4	CAP 0603	103±20%	C6. C7. C8. C9
1	CAP 0603	104±20%	C15
2	DCAP--A TYPE	10UF/6V	C3. C22
2	VCAP	3/20PF	C23. C35
3	CAP 1206	22UF/25V	C10. C4. C5
2	COIL 1008	820NH±5%	L1. L2
2	COIL 1008	470NH±5%	L10. L3
3	COIL 1008	390NH±5%	L14. L11. L8
1	COIL 1008	220NH±5%	L12
1	COIL 1008	180NH±5%	L13
1	COIL 1812	10UH±20%	L5
2	COIL 1008	1.5UH±10%	L6. L9
1	NPN SOT-23	R25	Q1
1	FET SOT-89	RD01MUS1	Q2
1	RES 0603	10±10%	R4
1	RES 0603	22±10%	R3
2	RES 0603	47±10%	R12. R50
1	RES 0603	101±10%	R8
1	RES 0603	122±10%	R11
3	RES 0603	152±10%	R2. R6. R7
1	RES 0603	222±10%	R9
1	RES 0603	392±10%	R1
1	RES 0603	472±10%	R5

1	CAP 0603	1±5%	C47
1	CAP 0603	3.9±5%	C24
2	CAP 0603	5.6±5%	C46. C45
1	CAP 0603	7.5±5%	C50
1	CAP 0603	12±5%	C41
1	CAP 0603	10±5%	C54
1	CAP 0603	20±5%	C55
1	CAP 0603	22±5%	C27
1	CAP 0603	27±5%	C40
5	CAP 0603	39±5%	C38. C49. C39. C23. C48
2	CAP 0603	39±5%	C12. C37
4	CAP 0603	56±5%	C25. C26. C28. C29
1	CAP 0603	68±5%	C13
2	CAP 0603	101±5%	C52. C53
2	CAP 0603	102±20%	C34. C35
1	CAP 0603	222±20%	C62
1	CAP 0603	272±20%	C59
2	CAP 0603	472±20%	C30. C60
1	CAP 0603	562±20%	C58
4	CAP 0603	103±20%	C14. C15. C19. C16
9	CAP 0603	104±20%	C2. C1. C10. C11. C5. C7. C6. C8. C9
1	VCAP	1-3P	C3
1	VCAP	3/20PF	C66
3	VCAP	1UF/6V	C56. C21. C69
4	VCAP	10UF/6V	C17. C18. C20. C31
1	VCAP	22UF/6V	C42
3	VCAP	47UF/6V	C32. C33. C43
1	DIO SOT-323	1N4148	D1
1	DIO SOT-323	MA2J729(2B)	D3
1	DIO SOT-323	231	D4
1	FCER-5	455KHz(H)	F1
1	FCER-2	455KHz-C28	F2
1	FCER-3	SFECV10M7KA0R0	F3
1	CRY 49US(2.5mm)	16MHz/20PF/10PPM	XT2
1	CRY UM-5	1.155MHz/20PF/10PPM	XT1
2	FET	BF998	Q1. Q3
2	NPN SOT-23	2SC2714	Q2. Q4
2	NPN SOT-23	BFR92	Q5. Q6
3	COIL 0805	820NH±10%	L2. L4. L15
3	COIL 0805	390NH±10%	L8. L16. L7
1	COIL 0805	33UH±20%	L1
3	COIL 3225	100UH±20%	L3. L5. L6
1	IC SSOP16	31136	IC1
1	IC SSOP16	LMX2306	IC3
1	IC SOT-23	3.3V	IC2

2	IC SO-8	LM358	IC5. IC6
1	IC CPU	Mega48	IC4
1	LED-2A	L19-22SURSYGC	LED1
2	RES 0603	101 ± 10%	R14. R15
1	RES 0603	271 ± 10%	R26
1	RES 0603	561 ± 10%	R28
1	RES 0603	681 ± 10%	R22
9	RES 0603	102 ± 10%	R31. R32. R33. R34. R35 R36R37. R38. R39
7	RES 0603	222 ± 10%	R6. R7. R8. R9. R10. R11. R12
1	RES 0603	512 ± 10%	R5
1	RES 0603	682 ± 10%	R23
4	RES 0603	103 ± 10%	R19. R20. R21. R30
4	RES 0603	123 ± 10%	R42. R43. R44. R45
1	RES 0603	153 ± 10%	R24
1	RES 0603	223 ± 10%	R29
1	RES 0603	243 ± 10%	R46
1	RES 0603	823 ± 10%	R25
4	RES 0603	104 ± 10%	R1. R2. R3. R4
3	RES 0603	224 ± 10%	R16. R17. R18
1	RES 0603	154 ± 10%	R27
1	RES 0603	334 ± 10%	R47
1	RES 0603	185 ± 10%	R13