

No.	Model	Spec.	Quantity	Code	Remark
Capacitance					
1	0805	100P	3	C11, C26, C22	
2	0805	820P	8	C111, C107, C103, C99, C80, C77, C74, C71	
3	0805	0.01UF	10	C115, C142, C123, C114, C113, C91, C89, C87, C85, C44	
4	0805	22P	5	C12, C42, C24, C46, C27	
5	0805	0.18UF	4	C122, C121, C120, C119	
6	0805	3P	4	C128, C127, C6, C5	
7	0805	1P	12	C131, C129, C130, C132, C41, C40, C39, C36, C4, C24, C21	
8	0805	220P	22	C141, C139, C138, C118, C117, C116, C112, C57, C55, C54, C37, C31, C30, C17, C13, C10, C9, C8, C7, C140	
9	0805	0.1UF	37	C144, C68, C29, C48, C92, C108, C147, C143, C136, C126, C124, C109, C106, C104, C102, C100, C98, C88, C89, C16, C13, C10, C66, C64, C62, C61, C60, C47, C43, C35, C33, C25	
10	0805	200P	2	C150, C149	
11	0805	33P	12	C18, C145, C134, C110, C105, C101, C97, C78, C75, C72, C69, C15	
12	0805	1000P	12	C49, C96, C84, C95, C83, C94, C93, C82, C81, C45, C24, C22	
13	0805	1UF	6	C23, C19, C146, C133, C28, C16	
Tantalum Capacitance, C Type					
14	can replaced by 10uf/25V	10UF/16V	10	C148, C137, C125, C67, C65, C63, C55, C53, C52, C50	
Resistance...					
15	0805	0	5	R73, R71, R69, R67, R22	
16	metal	2	2	R121	parallel
17	0805	18	4	R145, R142, R139, R136	
18	0805	51	8	R111, R110, R108, R107, R4, R3, R2, R1	0805
19	0805	100	1	R125	0805
20	0805	180	4	R50, R47, R44, R41	0805
21	0805	240	28	R31, R11, R12, R27, R28, R133, R127, R130, R129, R113, R114, R113, R36, R35, R34, R33, R32, R30, R26, R25, R9, R8, R21, R24, R23, R22	0805
22	0805	300	8	R137, R144, R143, R141, R140, R138, R135, R134	
23	0805	510	2	R20, R17	
24	0805	560	8	R66, R65, R64, R63, R40, R39, R38, R37	
25	0805	680	4	R52, R49, R46, R43	
26	0805	1K	17	R62, R97, R88, R123, R109, R105, R104, R99, R95, R85, R82, R80, R78, R76, R60, R58	
27	0805	1.6K	8	R56, R51, R55, R54, R53, R48, R45, R42	
28	0805	1.8K	4	R112, R61, R59, R57	

No.	Model	Spec.	Quantity	Code	Remark
29	0805	2K	4	R81, R79, R77, R75	
30	0805	5K	1	R118	
31	0805	5.1K	4	R98, R96, R94, R91	
32	0805	8.2K	1	R117	
33	0805	10K	7	R102, R124, R122, R120, R101, R100, R92	
34	0805	15K	2	R18, R15	
35	0805	20K	1	R119	
36	0805	33K	2	R14, R13	
37	0805	100K	1	R126	
38	0805	150K	4	R90, R87, R84, R74	
39	0805	200K	4	R106, R72, R70, R68	
40	0805	330K	4	R103, R89, R86, R83	
41	Inductance	0.5*1*2T	4	L32, L34, L33, L31	
42	Inductance	•0.8	1	L35 •15mm long•with 7mm magnet ring•	
43	Inductance	0.5*2*2T	8	L36, L37, L2, L1, L6, L5, L4, L3	
	Inductance				
44	68NH	FHW0805UC068JGR	20	L38, L15, L10, L39, L30, L29, L28, L27, L22, L21, L20, L19, L18, L17, L16, L14, L13, L12, L11, L8,	
45	0805	1uh	4	L26, L25, L24, L23	
46	8.2NH	FHW0805UC8N2JGR	2	L49, L48	
47	Diode	HSMS2850	4	D1, D2, D3, D4	
48	Diode	HSMP3814	8	D6, D10, D12, D11, D9, D8, D7, D5	
49	Filter	SAFCC1G88KAOT00BOS	2	F6, F8,	
50	Filter	DFC31R88P060BH	2	F2, F1	
51	Filter	DFC2R836P025HH	4	F7, F5, F4, F3	
52	Duplex Unite	DFYZR836CR881B	2	DUP2, DUP4	
53	Duplex Unite	DFYZ1R88C1R96B	2	DUP1, DUP3	
54	Amplifier	SGA-4586	2	A2, A1	
55	Dynatron	AT-41586	2	A4, A3	
56	Amplifier	NGA-186	4	Q2, Q4, Q3, Q1	
57	Amplifier	NGA-589	2	Q6, Q5	
58	Collator	LM393	1	U5	
59	Amplifier	LM358	5	U5, U4, U3, U2, U1	
60	Potentiometer	VR-3224, 1K	4	V4, V3, V2, V1	
61	Manostat	78L05	5	W3, W5, W4, W2, W1	
62	PCB	RS-918TRA-5001PC	1	819URFAA.PCB	

No.	Model	Spec.	Quantity	Code	Remark
Capacitance					
1	0805	1P	3	C20 , C3 , C2	
2	0805	2.5P	1	C5	
3	0805	33P	1	C57	
4	0805	47P	5	C11 , C10 , C6 , C9 , C8	
5	0805	100P	1	C1	
6	0805	470P	4	C14 , C7 , C13 , C12	
7	0805	0.01UF	2	C23 , C15	
8	0805	0.1UF	1	C4	
Tantalum Capacitance					
9	C Type	10UF/25V	2	C24 , C16	
Resistance•••					
10	0805	10	1	R4	
11	0805	18	2	R13 , R7	
12	0805	5.1	1	R2	
13	0805	270	1	R10	
14	0805	510	2	R11 , R9	
15	0805	2K	1	R12	
16	0805	820	2	R3 , R1	
17	0805	1K	2	R8 , R5	
18	0805	10K	1	R6	
19	1206	0	1	R56	
20	Diode	IN5847B	1	D1	
21	Inductance	0.5*2*1T	1	L1	
22	Inductance	0.5*3*5T	1	L2	
Inductance					
23	33NH	FHW0805UC033JG	1	L8	
24	0805	1UH	2	L7 , L6	
25	Collator	LM393	1	U1	
26	Potentiometer	3224•1K	1	VR1	
27	Potentiometer	3224•5k	1	VR2	
28	Potentiometer	3224•10K	1	VR3	
29	Optical Sent Unite	NDL7408P1K	1		SC/APC
30	Adjustable Manostat	LM317	1		
31	PCB	RS-819OTR-5002PC	1	OPTT1AA.PCB	

No.	Model	Spec.	Quantity	Code	Remark
Capacitance					
1	0805	1P	1	C1	
2	0805	22P	4	C25, C14, C13, C6	
3	0805	220P	4	C26, C17, C15, C8	
4	0805	1000P	1	C18	
5	0805	0.01UF	2	C19, C9	
6	0805	0.1UF	6	C22, C10, C7, C3, C20, C16	
7	0805	1UF	3	C24, C12, C11	
8	0805	C*	1	C2	for test
9	0805	C**	1	C5	
Tantalum Capacitance					
10	C Type	10UF/16V	2	C21, C23	
11	C Type	10UF/25V	1	C4	
Resistance...					
12	0805	30	1	R4	
13	0805	51	2	R14, R13	
14	0805	100	1	R2	
15	0805	200	2	R3, R7	
16	0805	330	1	R12	
17	0805	560	1	R6	
18	0805	680	1	R10	
19	0805	1.6K	1	R9	
20	0805	4.3K	1	R5	
21	1206	0	3	R16, R15, R11	
22	1206	120	2	R17, R18	
23	1206	150	1	R19	
24	1206	300	1	R1	
25	1206	150	2	R8	parallel
26	Diode	LDDH5	1	D1	green
27	Diode	HSMP3814	1	E1	
Inductance					
28	22NH	PHW0805UC022JG P	2	L6, L3	
29	33NH	PHW0805UC033JG P	2	L4, L2	
30	0805	1UH	1	L5	
31	Inductance	0.5-2-1T	1	L1	
32	Inductance	•0.8	1	L7 •15mm long•with 7mm magnet ring•	
33	Collator	LM393	1	U2	
34	Amplifer	LM358	1	U1	
35	Potentiometer	3224.200ê	2	VR2, VR1	
36	Potentiometer	3224.1K	1	VR3	
37	Optical Receive Unite	FID3Z1KX	1		SC/APC
38	Amplifer	NGA-589	2	A2, A1	
39	PCB	RS-819OTR-5001PC	1	819TRR.PCB	

No.	Model	Spec.	Quantity	Code	Remark
	PCB				
1	0805	1P	11	C134, C130, C120, C75, C70, C65, C53, C50, C49, C42, C32	
2	0805	2P	2	C100, C88	
3	0805	1.5P	2	C79, C58	
4	0805	2.5P	2	C81, C107	
5	0805	2.7p	2	C154, C72	
6	0805	2.2p	2	C155, C73	
7	0805	3.3p	2	C115, C24	
8	0805	3P	4	C127, C118, C41, C40	
9	0805	3.9p	2	C32, C116	
10	0805	18p	8	C113, C112, C27, C26, C21, C104, C102, C19	
11	0805	22P	3	C145, C60, C25	
12	0805	33p	8	C153, C152, C148, C146, C68, C63, C61, C69	
13	0805	100P	10	C141, C97, C93, C54, C15, C151, C67, C66, C8, C111	
14	0805	220p	16	C147, C62, C22, C105, C20, C103, C126	
				C158, C149, C136, C78, C37, C30, C29, C28, C137	
15	0805	1000P	19	C135, C131, C122, C119, C101, C94, C44, C43, C38, C34, C18, C7, C132, C143, C140, C98, C57, C55, C16	
16	0805	C*	4	C150, C114, C71, C31	for test
17	0805	**P	1	C82	for test
18	0805	0.01UF	11	C157, C129, C128, C125, C121, C83, C80, C77, C45, C26, C11	
19	0805	0.1UF	24	C156, C144, C139, C133, C124, C117, C108, C96, C85, C83	
				C86, C159, C76, C59, C52, C35, C33, C23, C17, C14, C12	
				C10, C4, C1,	
20	1206	0.1UF	4	C142, C87, C56, C9	
	tantalum Capacitance				
21	1UF/16V	can replaced by 1uF/25V	4	C90, C84, C13, C2	B Type
22	10UF/16V	can replaced by 10uF/25V	8	C138, C91, C89, C85, C51, C6, C5, C3	C Type
23	Inductance	0.5-2-1T	4	L22, L21, L20, L16	
24	Inductance	0.5-2-4T	2	L24, L26	
25	Inductance	0.5-2-5T	1	L25	
26	Inductance	0.5-2-2T	2	L34, L23	
27	Inductance	•0.8	1	L1 •15mm long•with 7mm magnet ring•	
28	Inductance	0.5-2-2T	8	L38, L36, L31, L13, L10, L8, L35, L9	
29	Inductance	0.5-2-1T	4	L40, L15, L14, L37	

No.	Model	Spec.	Quantity	Code	Remark
	Inductance				
30	39nh	FHW08050C039JG	2	L28, L3	
31	5.6nh	VHF160808H5N6S	2	L6, L32	
32	4.7nh	VHF160808H4N7S	2	L7, L33	
33	33NH	FHW08050C033JG	3	L41, L27, L2	
34	22NH	FHW08050C022JG	5	L42, L17, L5•L44, L19	
35	10nh	FHW08050C010JG	2	L43, L18	
36	82nh	FHW08050C082JG	2	L4, L29	
37	0805	IUH	2	L39, L11	
	Resistance•••				
38	0805	0	6	R139, R117, R100, R71, R60, R26	
39	0805	5.1	4	R164, R89, R55, R45	
40	0805	18	4	R20, R19, R95, R94	
41	0805	10	2	R124, R42	
42	0805	20	6	R137, R96, R87, R57, R18, R12	
43	0805	51	43	R200, R141, R140, R138, R136, R135, R134, R133, R132, R131, R130, R129, R102, R90, R84, R83, R82, R81, R80, R79, R78, R77, R62, R59, R54, R53, R52, R51, R50, R49, R48, R47, R28, R13, R11, R10, R9, R8, R7, R6, R5, R4, R67	
44	0805	150	2	R111, R38	
45	0805	270	8	R122, R121, R114, R113, R17, R16, R15, R14	
46	0805	300	8	R97, R93, R91, R24, R23, R22, R21, R92	
47	0805	560	4	R125, R103, R39, R34	
48	1206	120	8	R126, R85, R46, R2 (each code have 2, parallel connected•	parallel
49	0805	680	2	R112, R33	
50	0805	820	4	R88, R86, R58, R56	
51	470	470	4	R116, R115, R41, R40	
52	1K	1K	12	R148, R142, R104, R99, R98, R73, R65, R64, R63, R29, R25, R118	
53	0805	1.6K	4	R120, R106, R37, R36	
54	0805	2.4K	4	R127, R76, R44, R3	
55	0805	200K	4	R143, R108, R72, R30	
56	0805	150K	6	R145, R109, R70, R69, R32, R110	
57	0805	2K	4	R146, R101, R27, R61	
58	0805	10K	14	R147, R144, R128, R119, R107, R105, R75, R74, R68, R66, R43, R35, R31, R1	
59	Amplifer	NGA-589	6	Q9, Q7, Q5, Q4, Q10, Q1	
60	Amplifer	SHF-0289	4	Q3, Q8, Q2, Q6	
61	3dB Coupler	1B1305-3	3	COUPLER3, COUPLER2, COUPLER1	
62	Duplex Unite	DFY2R836CR881B	2	D4, D1	
63	Duplex Unite	DFY2IR88CIR96B	4	D6, D5, D3, D2	
64	Filter	SFC881.5M 70N	2	F1, F2	
65	Diode	HSMP3814	4	E4, E3, E2, E1	
66	Diode	HSMS2850	4	V3, V1, V2, V4	
67	Amplifer	LM358	4	U4, U3, U2, U1	
68	Potentiometer	3224•1K	2	VR1, VR2	
69	Transformer	IC7660	2	U5, U6	
70	Manostat	78L05	4	W4, W1, W3, W2	

71	PCB	RS-918TRA-5002PC	1	819DRFAA.PCB	
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