RM Costruzioni Elettroniche
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Amplificatore HLA 305

List of components

C 1	= 10 pF	50V	NP0
C 2	= 100 nF	50V	
C 3	= 10 nF	50V	
C 4	= 220 nF	50V	Multilayer
C 5	= 10 pF	50V	NP0
C 6	= 22 pF	50V	NP0
C 7	= 82 pF	50V	NP0
C 8	= 4,7 pF	50V	NP0
C 9	= 22 µF	25V	
C 10 - C 11	= 100 nF	50V	
C 12	= 470 µF	25V	
C 13 - C 14	= 2x470 pF	50V	N750
C 15	= 100 nF	50V	
C 16	= non presente		
C 17	= non presente		
C 18	= non presente		
C 19 to C 20	= 100 pF	50V	NP0
C 21 to C 24	= 4,7 nF	50V	
C 25 - C 26	= 1300pF	500V	Mica
C 27 to C 30	= 100 nF	500V	SMD
C 31 to C 32	= 470 pF	200V	SMD
C 33	= 220 pF	500V	Mica
C 34	= 470 pF	200V	SMD
C 35	= 22 pF	500V	NP0
C 36	= 39 pF	500V	Mica
C 37	= 39 pF	500V	Mica
C 38	= 12 pF	500V	Mica
C 39	= 56 pF	500V	Mica
C 40	= 56 pF	500V	Mica
C 41	= 68 pF	500V	Mica
C 42	= 18 pF	500V	Mica
C 43	= 39 pF	500V	Mica
C 44	= 47 pF	500V	Mica
C 45	= 39 pF	500V	Mica
C 46	= 39 pF	500V	Mica
C 47	= 12 pF	500V	Mica
C 48	= 68 pF	500V	Mica
C 49	= 68 pF	500V	Mica
C 50	= 68 pF	500V	Mica
C 51	= 18 pF	500V	Mica
C 52	= 39 pF	500V	Mica
C 53	= 39 pF	500V	Mica
C 54	= 51 pF	500V	Mica
C 55	= 51 pF	500V	Mica
C 56	= 15 pF	500V	Mica
C 57	= 91 pF	500V	Mica
C 58	= 91 pF	500V	Mica
C 59	= 91 pF	500V	Mica
C 60	= 56 pF	500V	Mica
C 61	= 56 pF	500V	Mica
C 62	= 56 pF	500V	Mica
C 63	= 180 pF	500V	Mica
C 64	= 180 pF	500V	Mica
C 65	= 39 pF	500V	Mica
C 66	= 200 pF	500V	Mica
C 67	= 200 pF	500V	Mica
C 68	= 100 nF	50 V	
C 69	= 200 pF	500V	Mica
C 70	= 120 pF	500V	Mica
C 122	= 100 nF	50V	
C 123	= 4,7 pF	50 V	NP0
C 124	= 470 pF	200V	SMD
C 125 - C 126	= 10 nF	50V	
C 127	= 100 nF	50 V	
C 128	= 220 pF	500V	Mica
C 129	= 1,0 nF	50V	
C 130	= 10 nF	50V	
C 131	= 1,0 nF	500V	
C 132	= 470 nF	100V	Polyester
C 133	= 10 nF	50V	
C 134	= 1,0 nF	500V	
C 135	= 470 nF	100V	Polyester
C 136 to C 140	= 100 nF	50 V	
C 141	= 68 pF	500V	Mica
C 142	= 330 pF	500V	Mica
C 143	= 330 pF	500V	Mica
C 144	= 390 pF	500V	Mica
C 145	= 180 pF	500V	Mica
C 146	= 220 pF	500V	Mica
C 147	= 220 pF	500V	Mica
C 148	= 750 pF	500V	Mica

C 71	= 100 pF	500V	Mica
C 72	= 100 pF	500V	Mica
C 73	= 220 pF	500V	Mica
C 74	= 220 pF	500V	Mica
C 75	= 10 µF	25 V	
C 76	= 470 µF	25 V	
C 77	= 220 pF	50 V	N750
C 78 - C 79	= 220 nF	50V	Multilayer
C 80	= 10 µF	25 V	
C 81	= 100 nF	50 V	
C 82	= 22 µF	25 V	
C 83 - C 84	= 100 nF	50 V	
C 85 to C 87	= 220 nF	50V	Multilayer
C 88	= 100 nF	50 V	
C 89 - C 90	= 220 nF	50V	Multilayer
C 91 to C 93	= 100 nF	50 V	
C 94	= 100 µF	35 V	
C 95 to C 103	= 100 nF	50 V	
C 103	= 10 µF	25 V	
C 104 - C 105	= 470 µF	25 V	
C 106	= 100 nF	50 V	
C 107	= 470 nF	100V	Polyester
C 108 to C 112	= 100 nF	50 V	
C 113 to C 116	= 100 nF	500V	SMD
C 117	= 220 nF	50V	Multilayer
C 120	= 100 nF	50V	
C 121	= 10 nF	50V	

C 149	= 750 pF	500V	Mica
C 150	= 150 pF	500V	Mica
C 151	= 750 pF	500V	Mica
C 152	= 750 pF	500V	Mica
C 153	= 750 pF	500V	Mica
C 154	= 430 pF	500V	Mica
C 155	= 510 pF	500V	Mica
C 156	= 510 pF	500V	Mica
C 157 - C 158	= 10 nF	50V	
C 159 - C 164	= 100 nF	50V	
C 165	= 10 nF	50V	
C 166	= 100 nF 5	0V	
C 167 - C 168	= 10 nF	50V	
C 169	= 100 nF	63V	Polyester
C 170	= 10 nF	50V	
C 171 to C 179	= 100 nF	50V	
C 180	= 100 µF	35 V	
R 1	= 22 Kω	¼W	
R 2	= 47 Kω	¼W	
R 3	= 1,0 Kω	¼W	
R 4 - R 5	= 100 Kω	¼W	
R 6 - R 7	= 330 ω	¼W	
R 8	= 10 Kω	¼W	
R 9 to R 11	= 2,2 ω	1W	
R 12	= 1,0 Kω	¼W	
R 13	= 470 Kω	¼W	
R 14	= 1,0 Kω	¼W	

R 15 to R 17 = 4,7 KΩ ¼W
R 18 = 2,2 Ω 1W
R 19 = 10 KΩ ¼W
R 20 = 1,0 KΩ ¼W
R 21 = 33 Ω 5W
R 22 - R 23 = 10 KΩ ¼W
R 24 = 10 Ω 5W
R 25 – 1,0 Ω ½W
R 26 - R 27 = 10 KΩ ¼W
R 28 = 4,7 KΩ ¼W
R 29 = 10 KΩ ¼W
R 30 = 10 KΩ ¼W
R 31 to R 32 = 10 Ω 5W
R 33 = 10 KΩ ¼W
R 34 = 100 Ω 2W
R 35 to R 38 = 2,2 Ω 1W
R 39 to R 42 – 8,2 Ω 1W
R 43 = 100 Ω 5W
R 44 = 10 KΩ ¼W
R 45 - R 46 = 10 KΩ ¼W
R 47 to R 50 = 1,0 KΩ ¼W
R 51 - R 52 = 47Ω ½W
R 53 = 1,0 KΩ ¼W
R 54 R 55 – 2,2 KΩ ¼W
R 56 = 47Ω ¼W
R 57 - R 58 = 10 KΩ ¼W
R 59 to R 60 = 68 Ω ¼W
R 61 = 2,7 KΩ ¼W
R 62 = 10 KΩ ¼W
R 63 = 220 KΩ ¼W
R 64 = 4,7 KΩ ¼W
R 65 = 10 KΩ ¼W
R 66 to R 67 – 1,0 KΩ ¼W
R 68 = 4,7 KΩ ¼W
R 69 = 1,0 KΩ ¼W
R 70 = 2,2 KΩ ¼W
R 71 = 1,0 KΩ ¼W
R 86 to R 87 = 10 KΩ ¼W
R 88 to R 91 = 8,2 Ω 1W
R 92 = 1,0 Ω ½W
R 93 = 1,0 KΩ ¼W
R 94 = 18 KΩ ¼W
R 95 = 8,2 KΩ ¼W
R 96 = 100 Ω ¼W
R 97 = 2,2 KΩ ¼W
Rr 4 - Rr 5 = 6A103G
Rr 6 = 8B470G
Rr 7 - Rr 8 = 6A103G
NTC 1 = 10 KΩ

TRIM 2 = 10 KΩ
TRIM 3 = 1,0 KΩ
Att 1 = -3 dB
D 1 - D 5 = 1N4148
D 6 = 1N5711
D 7 to D 9 = 1N4148
D 10 - D 11 = 1N5711
D 12 – 1N4007
D 13 = 1N5400
D 14 = 1N4148
D 15 = 1N4007
D 16 = BAT41
D 17 - D 18 = 1N4148
D 19 - D 20 = 1N4007
D 22 to D 28 = 1N4007
D 29 to D 31 = 1N5400
Led 19 – Alarm
Led 20 = TX
Tr 1 = BF199
Tr 2 to Tr 4 = BC547B
Tr 5 = BC337-25
Tr 6 = BDX53BFP
Tr 7 - Tr 10 = MRF455
Tr 11 – BC557B
Tr 20 = BC337-25
Ic 1 = 74HC14
Ic 2 = 74HC74
Ic 3 = 18F46K20
Ic 4 = 74CBTD3384
Ic 5 = LD1117V33C
Ic 6 = 7805
Ic 7 = M41T00
Ic 9 = LM324
Ic 10 = LM723C
Ic 11 = ACS758LCB-50
Ic 12 = AD8534
Ic 13 = M41T00CAP
Ic 14 = 24LC1025
Ic 15 = MCP23017
Ic 16 = UDN2981
L 1 = 10µH
L 2 - L 3 = VK200
L 5 - L 6 = VK200
L 7 - L 8 = VK200 Verticale 2 fili
L 9 = 300 nH SEM 9608961005
L 10 = 250 nH SEM 9608961004
L 11 = 550 nH SEM 9608961008
L 12 = 450 nH SEM 9608961007

L 13 = 630 nH SEM 9608961009
L 14 = 550 nH SEM 9608961008
L 15 = 1,3 µH SEM 9608960211
L 16 = 1,0 µH SEM 9608960209
L 17 = 2,7 µH SEM 9608960217
L 18 = 2,5 µH SEM 9608960216
L 19 = 5,3 µH SEM 9608960225
L 20 = 4,6 µH SEM 9608960223
L 21 = 1,0 mH
L 25 = 1,0 mH
L 26 = 470µH
L 27 = 2,2 µH
L 28 - L 29 = VK200 Verticale 2 fili
L 30 = 1,0 mH
RL 1 = 41.52.7.012
RL 2 = 30,22.9.012
RL 3 - RL 14 = 34.51.7.012
T 1 = SEM 961000005
T 2 = FER 251000115
T 3 = FER 251000115
T 4 = FER 251000109
T 5 = FER 251000109
T 6 = SEM 961000006
T 7 = SEM 961100020
T 8 = SEM 961100015
T 9 = ANRA 963
T 10 = ANRA 963
B 1 = MB12A12
Fuse 5 = 20A
Fuse 6 = 20A
Fuse 7 = 1,6A
Xt1 = non presente