

Revision: 1.3

Модуль MiniCom Tetra PA 2X25

Monday, April 01, 2019

Перечень элементов

ЕРВЛ.468741.003ПЭЗ

| № | К-во | Поз. | Наименование | Доп. | Ед. | Корпус | Производитель | Код производителя | Примечание | Артикул | Допустима я замена | Артикул доп. замены |
|----|------|---|--|------|-----|--------|---------------|-------------------|------------|-----------------|--------------------|---------------------|
| | | | Аттенюаторы | | | | | | | | | |
| 1 | 2 | AT1,AT3 | 10dB RFP-250250-4AA10 | | | | | | | 04.601 | | |
| 2 | 2 | AT2,AT4 | 20dB RFP-250250-4AA20 | | | | | | | 04.671 | | |
| | | | Конденсаторы | | | | | | | | | |
| 3 | 46 | C1,C2,C3,C4,C5,C6,C7,C8, C9,C10,C11,C12,C13,C16, C17,C22,C33,C47,C48,C52, C61,C62,C63,C64,C68,C72, C74,C79,C80,C84,C93,C107, C121,C122,C126,C135,C136, C137,C138,C142,C146,C148, C153,C154,C158,C167 | 0.1UF X7R 50V 0603 | | | | | | | 01.195 (01.274) | | |
| 4 | 4 | C14,C15,C18,C19 | 2.2UF X5R 25V 0603 | | | | | | | 01.518 | | |
| 5 | 2 | C20,C21 | 0.1UF X7R 200V 1206 или 250V | | | | | | | 01.47 | | |
| 6 | 7 | C23,C25,C41,C66,C99,C115, C140 | 47.0UF X5R 10V 0805 | | | | | | | 01.1020 | | |
| 7 | 6 | C24,C37,C42,C98,C113, C116 | 0.47UF X7R 25V 0603 | | | | | | | 01.483 | | |
| 8 | 18 | C26,C40,C57,C58,C60,C76, C82,C86,C87,C100,C114, C131,C132,C134,C150,C156, C160,C161 | 1NF X7R 50V 0603 | | | | | | | 01.170 (01.152) | | |
| 9 | 8 | C27,C32,C34,C91,C101, C106,C108,C165 | 470pF NPO 50V 0603 | | | | | | | 01.163 | | |
| 10 | 34 | C28,C29,C30,C31,C38,C39, C44,C45,C46,C50,C51,C53, C54,C69,C75,C78,C81,C102, C103,C104,C105,C110,C111, C118,C119,C120,C124,C125, C127,C128,C143,C149,C152, C155 | 100pF NPO 50V 0603 | | | | | | | 01.139 | | |
| 11 | 4 | C35,C43,C109,C117 | 6.2pF NPO 50V 0603 | | | | | | | 01.608 | | |
| 12 | 2 | C36,C112 | 4.7UF X5R 10V 0603 | | | | | | | 01.505 | | |
| 13 | 4 | C49,C55,C123,C129 | 12pF NPO 50V 0805 | | | | | | | 01.728 | | |
| 14 | 2 | C56,C130 | 100pF NPO 50V 0805 | | | | | | | 01.04 | | |
| 15 | 4 | C59,C77,C133,C151 | 18pF AQ147M180JAJ или SQCB7M180JAJ 1(7) | | | | | | | 01.536 | | |
| 16 | 10 | L9,L20,C65,C71,C73,C83, C139,C145,C147,C157 | HET не устанавливать | | | | | | | | | |
| 17 | 8 | C67,C70,C92,C94,C141, C144,C166,C168 | 10.0UF X7R 50V 1210 | | | | | | | 01.1021 | | |
| 18 | 2 | C85,C159 | 3-10pF TZBX4Z100BB110 WHITE | | | | | | | 01.387 | | |
| 19 | 4 | C88,C90,C162,C164 | 470pF AQ142M471JAJ или SQCB2M471JAJ 1(7) | | | | | | | 01.394 | | |
| 20 | 4 | C89,C95,C163,C169 | 2pF AQ147M2R0BAJ или SQCB7M2R0BAJ 1(7) | | | | | | | 01.477 | | |
| 21 | 2 | C96,C170 | 1pF AQ147M1R0BAJ или SQCB7M1R0BAJ 1(7) | | | | | | | 01.392 | | |
| 22 | 2 | C97,C171 | 10pF AQ147M100JAJ или SQCB7M100JAJ 1(7) | | | | | | | 01.491 | | |

| | | | Диоды | | | | | | | | | |
|----|----|---|--|--|--|--|--|--|--|--|--|-----------------|
| 23 | 8 | D1,D2,D3,D4,D5,D6,D7,D8 | Led_G LTST-C190KGKT 0603 | | | | | | | | | 03.607 |
| 24 | 4 | D9,D10,D11,D12 | BAV99 E6327 SOT23 | | | | | | | | | 03.07 |
| | | | Соединители | | | | | | | | | |
| 25 | 2 | JP2,JP1 | CON4 PLS-4 | | | | | | | | | 06.988 |
| 26 | 4 | JP3,JP4,JP5,JP6 | JUMP PLS-2 | | | | | | | | | 06.270 |
| 27 | 2 | JP7,JP8 | HEAD_6X2 PLD2-12 | | | | | | | | | 06.986 |
| 28 | 1 | J1 | 1053092203 MOLEX | | | | | | | | | 06.1097 |
| 29 | 1 | J2 | 1053102304 MOLEX | | | | | | | | | 06.999 |
| 30 | 1 | J3 | 5016451020 MOLEX | | | | | | | | | 06.1000 |
| 31 | 4 | J4,J6,J7,J9 | SMA1013700 RF CONNECTOR устанавливать при сборке Блока УМС ЕРВЛ.468741.010 | | | | | | | | | 06.432 |
| 32 | 2 | J5,J8 | 1722982204 MOLEX | | | | | | | | | 06.1327 |
| 33 | 4 | KT1,KT2,KT3,KT4 | KT элемент топологии | | | | | | | | | |
| 34 | 3 | KT5,KT6,KT7 | OUT элемент топологии | | | | | | | | | |
| 35 | 2 | KT8,KT9 | GND элемент топологии | | | | | | | | | |
| | | | Индуктивности | | | | | | | | | |
| 36 | 4 | L1,L6,L12,L17 | 600 TI2012 09 U 601 0805 | | | | | | | | | 05.93 |
| 37 | 2 | L2,L13 | 100nH SIMID 08-B или LQW2BHN (LQN21A) 0805 | | | | | | | | | 05.170 |
| 38 | 6 | L3,L4,L5,L14,L15,L16 | 10nH SIMID 08-B или LQW2BHN (LQN21A) 0805 | | | | | | | | | 05.103 |
| 39 | 4 | L7,L10,L18,L21 | A03T-J | | | | | | | | | 05.371 (05.219) |
| 40 | 2 | L8,L19 | B10T-J | | | | | | | | | 05.105 |
| 41 | 2 | L11,L22 | 11 TI2012 09 U 110 0805 | | | | | | | | | 05.174 |
| | | | Модули питания | | | | | | | | | |
| 42 | 1 | M1 | TES2N-4811 TSM16 | | | | | | | | | 04.550 |
| | | | Транзисторы | | | | | | | | | |
| 43 | 2 | Q2,Q1 | BC850B E6327 SOT23 | | | | | | | | | 03.01 |
| 44 | 2 | Q3,Q5 | MW6S004NT1 устанавливать при сборке Блока УМС ЕРВЛ.468741.010 | | | | | | | | | 03.291 |
| 45 | 2 | Q4,Q6 | MRFE6S9045N устанавливать при сборке Блока УМС ЕРВЛ.468741.010 | | | | | | | | | 03.381 |
| | | | Резисторы | | | | | | | | | |
| 46 | 28 | R1,R2,R3,R4,R5,R6,R15, R22,R23,R24,R25,R26,R27, R28,R29,R30,R37,R49,R51, R52,R54,R55,R66,R78,R80, R81,R83,R84 | 1K 1% 0603 | | | | | | | | | 02.356 |
| 47 | 2 | R8,R7 | 100K 1% 0603 | | | | | | | | | 02.232 |
| 48 | 2 | R10,R9 | 33K 1% 0603 | | | | | | | | | 02.361 |
| 49 | 26 | R11,R12,R13,R14,R18,R19, R20,R21,R32,R34,R35,R38, R39,R40,R42,R43,R44,R61, R63,R64,R67,R68,R69,R71, R72,R73 | 10K 1% 0603 | | | | | | | | | 02.383 |
| 50 | 2 | R17,R16 | 120R 1% 0603 | | | | | | | | | 02.386 |
| 51 | 1 | R31 | 50R RFP-60-50TPC устанавливать при сборке Блока УМС ЕРВЛ.468741.010 | | | | | | | | | 02.401 |
| 52 | 6 | R33,R59,R60,R62,R88,R89 | 10R 1% 0603 | | | | | | | | | 02.384 |
| 53 | 4 | R36,R47,R65,R76 | 500R 3224W-1-501E | | | | | | | | | 02.135 |
| 54 | 2 | R41,R70 | 51R 1% 0603 | | | | | | | | | 02.369 |
| 55 | 2 | R45,R74 | 300K 1% 0603 | | | | | | | | | 02.239 |

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|----|---|-----------------|--|--|--|--|--|--|--|-----------------|--|
| 56 | 2 | R46,R75 | 820K 1% 0603 | | | | | | | 02.523 | |
| 57 | 2 | R48,R77 | 2K 1% 0603 | | | | | | | 02.359 | |
| 58 | 2 | R50,R79 | 1.8K 1% 0603 | | | | | | | 02.381 | |
| 59 | 2 | R53,R82 | 20K 1% 0603 | | | | | | | 02.358 | |
| 60 | 2 | R56,R85 | 15R 1% 0603 | | | | | | | 02.837 | |
| 61 | 4 | R57,R58,R86,R87 | 5.0K 3224W-1-502E | | | | | | | 02.93 | |
| | | | | | | | | | | | |
| | | | Трансформаторы | | | | | | | | |
| 62 | 1 | T1 | SF0905 - 251YS (YLB) | | | | | | | 05.43 | |
| | | | | | | | | | | | |
| | | | Микросхемы | | | | | | | | |
| 63 | 2 | U1,U2 | ADUC832 BS S-52 | | | | | | | 04.668 | |
| 64 | 2 | U4,U3 | MAX3084EEESA SOIC8 | | | | | | | 04.669 | |
| 65 | 2 | U6,U5 | DS18S20 TO92 | | | | | | | 04.68 | |
| 66 | 1 | U7 | EKBM.468523.003 Мост * устанавливать при сборке Блока УМС ЕРВЛ.468741.010 | | | | | | | 10.561 | |
| 67 | 1 | U8 | SN74LVC1G00DBV SOT23-5 | | | | | | | 04.1655 | |
| 68 | 2 | U9,U10 | SN74LVC1G04DBV SOT23-5 | | | | | | | 04.525 | |
| 69 | 2 | U11,U22 | WJA1500 SOT89 | | | | | | | 04.561 | |
| 70 | 2 | U12,U23 | TPS79330DBV SOT23-5 | | | | | | | 04.558 | |
| 71 | 2 | U13,U24 | PE4302-20MLP4X4 MLPQ4X4 | | | | | | | 04.563 | |
| 72 | 2 | U14,U25 | ADP3331ART SOT23-6 | | | | | | | 04.591 | |
| 73 | 4 | U15,U16,U26,U27 | AD8605ART SOT23-5 | | | | | | | 04.586 | |
| 74 | 4 | U17,U18,U28,U29 | ADL5501AKSZ KS-6 (SOT363) | | | | | | | 04.672 | |
| 75 | 4 | U19,U21,U30,U32 | CIRC Циркулятор ФВП2-7 340 МГц ФГУП НКТБ "Феррит" устанавливать при сборке Блока УМС ЕРВЛ.468741.010 | | | | | | | 08.2087 | |
| 76 | 2 | U20,U31 | DBTC-12-4L+ AT1030 | | | | | | | 04.560 | |
| | | | | | | | | | | | |
| | | | Кварцевые резонаторы | | | | | | | | |
| 77 | 2 | Y2,Y1 | 32.768kHz MC-306 или Q 0.032768-SMQ32SL-12.5-20 | | | | | | | 04.670 (04.878) | |

* поз.1 из состава ЕРВЛ.468741.003 Модуль ПБС-МУМС