|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Форм.* | *Зона* | | *Поз.* | | *Обозначение* | | | | Наименование | | | | | *Кол.* | *Примеч.* | |
|  |  | |  | |  | | | | *Документация* | | | | |  |  | |
| *А3* |  | |  | | *ИУ4.11.03.03.23.05.52.04.001 СБ* | | | | *Сборочный чертеж* | | | | | *1* |  | |
| *А3* |  | |  | | *ИУ4.11.03.03.23.05.52.04.001 Э1* | | | | *Схема электрическая* | | | | | *1* |  | |
|  |  | |  | |  | | | | *структурная* | | | | |  |  | |
| *А3* |  | |  | | *ИУ4. 11.03.03.23.05.52.04.001 Э3* | | | | *Схема электрическая* | | | | | *1* |  | |
|  |  | |  | |  | | | | *принципиальная* | | | | |  |  | |
| *А3* |  | |  | | *ИУ411.03.03.23.05.52.04.001 ПЭ3* | | | | *Перечень элементов* | | | | | *1* |  | |
|  |  | |  | |  | | | |  | | | | |  |  | |
| *А3* |  | |  | | *ИУ4.11.03.03.23.05.52.04.001 ПД1* | | | | *Сравнение моделирования и*  *экспериментальных данных* | | | | | *1* |  | |
|  |  | |  | | *ИУ4.11.03.03.23.05.52.04.002 ПП* | | | | *Плата печатная* | | | | | *1* |  | |
|  |  | |  | |  | | | |  | | | | |  |  | |
|  |  | |  | |  | | | | *Детали* | | | | |  |  | |
| *А3* |  | | *1* | | *ИУ4.11.03.03.23.05.52.12.002* | | | | *Плата печатная* | | | | | *1* |  | |
|  |  | |  | |  | | | | *Радиатор HS 185-70 (Китай)* | | | | | *2* |  | |
|  |  | |  | |  | | | |  | | | | |  |  | |
|  |  | |  | |  | | | | *Диоды* | | | | |  |  | |
|  |  | | *2* | |  | | | | *15SQ045 (Dongguan YFW, Китай)* | | | | | *2* | *VD2, VD3* | |
|  |  | | *3* | |  | | | | *1N4002* | | | | | *1* | *VD1* | |
|  |  | |  | |  | | | | *(Diotec Semiconductor, Германия)* | | | | |  |  | |
|  |  | |  | |  | | | |  | | | | |  |  | |
|  |  | |  | |  | | | | *Конденсаторы* | | | | |  |  | |
|  |  | | *4* | |  | | | | *К10-17Б X5R 1000пФ 50В ±10%* | | | | | *1* | *С4* | |
|  |  | |  | |  | | | | *(Murata Electronics, Япония)* | | | | |  |  | |
|  |  | | *5* | |  | | | | *К10-17Б X5R 220пФ 50В ±10%* | | | | | *1* | *С1* | |
|  |  | |  | |  | | | | *(Murata Electronics, Япония)* | | | | |  |  | |
|  |  | | *6* | |  | | | | *К73-17 0,68мкФ 250В ±5%* | | | | | *1* | *С7* | |
|  |  | |  | |  | | | | *(Кузнецкий завод конденсаторов, Россия)* | | | | |  |  | |
|  | |  | |  | |  |  | ИУ4.11.03.03.23.05.52.04.001 | | | | | | | | |
|  | |  | |  | |  |  |
| Изм | | Лист | | № докум. | | Подп. | Дата |
| Разраб. | | | | Бакулевский М.== | |  |  | *Усилитель  низкой частоты*  *Спецификация* | | Лит. | | | Лист | | | Листов |
| Пров. | | | | Семенцов С. Г. | |  |  |  |  |  | 1 | | | 3 |
|  | | | |  | |  |  | МГТУ им Н. Э. Баумана *Кафедра ИУ4*  *Группа ИУ4–52 Б* | | | | | | |
| Н.контр. | | | |  | |  |  |
| Утв. | | | |  | |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Форм.* | *Зона* | | *Поз.* | | *Обозначение* | | | | Наименование | *Кол.* | *Примеч.* | |
|  |  | | *7* | |  | | | | *К50-35 2200мкФ 35В ±20%* | *2* | *С6, С8* | |
|  |  | |  | |  | | | | *(JB Capacitors, Гонконг)* |  |  | |
|  |  | | *8* | |  | | | | *К50-35 мини 47мкФ 50В ±5%* | *2* | *С2, С5* | |
|  |  | |  | |  | | | | *(JB Capacitors, Гонконг)* |  |  | |
|  |  | | *9* | |  | | | | *К50-35 100мкФ 63В ±5%* | *1* | *С3* | |
|  |  | |  | |  | | | | *(JB Capacitors, Гонконг)* |  |  | |
|  |  | |  | |  | | | |  |  |  | |
|  |  | |  | |  | | | | *Разъёмы* |  |  | |
|  |  | | *10* | |  | | | | *Гнездо стерео 3,5мм ST-025* | *1* | *XS1* | |
|  |  | |  | |  | | | | *(Dragon City Industries, Китай)* |  |  | |
|  |  | | *11* | |  | | | | *Клеммник разъёмный 15EDGRC-3.81-03P (Degson, Китай)* | *1* | *XP1* | |
|  |  | | *12* | |  | | | | *Клеммник разъёмный 15EDGRC-3.81-02P (Degson, Китай)* | *1* | *XP2* | |
|  |  | |  | |  | | | |  |  |  | |
|  |  | |  | |  | | | | *Резисторы* |  |  | |
|  |  | | *13* | |  | | | | *CF-25 0,25Вт 4.7кОм ±5%* | *2* | *R14, R15* | |
|  |  | |  | |  | | | | *(Тайвань)* |  |  | |
|  |  | | *14* | |  | | | | *CF-25 0,25Вт 680Ом ±5%* | *2* | *R3, R5* | |
|  |  | |  | |  | | | | *(Тайвань)* |  |  | |
|  |  | | *15* | |  | | | | *CF-25 0,25Вт 3кОм ±5%* | *2* | *R12, R13* | |
|  |  | |  | |  | | | | *(Тайвань)* |  |  | |
|  |  | | *16* | |  | | | | *CF-25 0,25Вт 20кОм ±5%* | *1* | *R11* | |
|  |  | |  | |  | | | | *(Тайвань)* |  |  | |
|  |  | | *17* | |  | | | | *CF-25 0,25Вт 1,2кОм ±5%* | *1* | *R7* | |
|  |  | |  | |  | | | | *(Тайвань)* |  |  | |
|  |  | | *18* | |  | | | | *CF-25 0,25Вт 2кОм ±5%* | *1* | *R14* | |
|  |  | |  | |  | | | | *(Тайвань)* |  |  | |
|  |  | | *19* | |  | | | | *CF-100 1Вт 10Ом ±5%* | *1* | *R18* | |
|  |  | |  | |  | | | | *(Тайвань)* |  |  | |
|  | |  | |  | |  |  | ИУ4. 11.03.03.23.05.52.04.001 | | | | Лист |
|  | |  | |  | |  |  | 2 |
| Изм | | Лист | | № докум. | | Подп. | Дата |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Форм.* | *Зона* | | *Поз.* | | *Обозначение* | | | | Наименование | *Кол.* | *Примеч.* | |
|  |  | | *20* | |  | | | | *CF-100 1Вт 15кОм ±5%* | *1* | *R4* | |
|  |  | |  | |  | | | | *(Тайвань)* |  |  | |
|  |  | | *21* | |  | | | | *SQP 5Вт 0,1Ом ±5%* | *2* | *R16, R17* | |
|  |  | |  | |  | | | | *(Тайвань)* |  |  | |
|  |  | | *22* | |  | | | | *3296W-1-1-2LF 0,25Вт 1кОм ±20% (Bourns, США)* | *1* | *RP1* | |
|  |  | |  | |  | | | |  |  |  | |
|  |  | |  | |  | | | | *Транзисторы* |  |  | |
|  |  | | *23* | |  | | | | *BC546B* | *3* | *VT3, VT4, VT6* | |
|  |  | |  | |  | | | | *(Diotec Semiconductor, Германия)* |  |  | |
|  |  | | *24* | |  | | | | *BC556B* | *3* | *VT1, VT2, VT5* | |
|  |  | |  | |  | | | | *(Diotec Semiconductor, Германия)* |  |  | |
|  |  | | *25* | |  | | | | *IRF540NPBF* | *1* | *VT7* | |
|  |  | |  | |  | | | | *(Infineon Technologies, Германия)* |  |  | |
|  |  | | *26* | |  | | | | *IRF9540NPBF* | *1* | *VT8* | |
|  |  | |  | |  | | | | *(Infineon Technologies, Германия)* |  |  | |
|  |  | |  | |  | | | |  |  |  | |
|  |  | |  | |  | | | |  |  |  | |
|  |  | |  | |  | | | |  |  |  | |
|  |  | |  | |  | | | |  |  |  | |
|  |  | |  | |  | | | |  |  |  | |
|  |  | |  | |  | | | |  |  |  | |
|  |  | |  | |  | | | |  |  |  | |
|  |  | |  | |  | | | |  |  |  | |
|  |  | |  | |  | | | |  |  |  | |
|  |  | |  | |  | | | |  |  |  | |
|  |  | |  | |  | | | |  |  |  | |
|  |  | |  | |  | | | |  |  |  | |
|  |  | |  | |  | | | |  |  |  | |
|  | |  | |  | |  |  | ИУ4. 11.03.03.23.05.52.04.001 | | | | Лист |
|  | |  | |  | |  |  | 3 |
| Изм | | Лист | | № докум. | | Подп. | Дата |