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|  | *Конденсаторы* |  |  |
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| **C73,** | Конденсатор ОСМ К53-56-6,3В-10 мкФ±20%-В 3 | **1** |  |
|  | АЖЯР.673546.001ТУ, ПО.070.052 |  |  |
|  | [**ECAR 22мкф, 6.3 В, 20%**](https://www.chipdip.ru/product0/9000261766) |  |  |
|  | [**ECAR 10мкф, 16 В, 20%**](https://www.chipdip.ru/product0/9000261763) |  |  |
|  |  |  |  |
| **C20,** | Конденсатор ОС К10-17в-Н90-0,068 мкФ | **8** |  |
| **C63,** | ОЖ0.460.107ТУ, ОЖ0.460.183 ТУ |  |  |
| **C67** | [**К10-17А, Н90, 0.1 мкф,40В**](https://www.chipdip.ru/product0/5551) |  |  |
| **C72,С74** | Чип и Дип |  |  |
| **C89,** |  |  |  |
| **C90, ,** |  |  |  |
| **C122** |  |  |  |
| ***C18,C19,*** | Конденсатор ОС К10-17в-Н50-0,015 мкФ | ***7*** |  |
| ***C21,C24,*** | ОЖ0.460.107ТУ, ОЖ0.460.183 ТУ |  |  |
| ***C64,C66,*** | [**К10-17А, Н50, 0.1 мкф, 50В,**](https://www.chipdip.ru/product0/9259) |  |  |
| ***C71*** | Чип и Дип |  |  |
|  |  |  |  |
|  | *Микросхемы* |  |  |
|  |  |  |  |
| **O1,O2** | **МикросхемаOP284FS** | **4** |  |
| **O3,O4,** | [**OP184\_284\_484**](https://www.chipdip.ru/product/op284es) **(DataSheet)** |  |  |
|  | (Чип и Дип) 500р. |  |  |
| **D13** | **Модуль питания SMSA2815D/HL** | **1** |  |
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|  | *Резисторы* |  |  |
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| **R26,R37,** | Резистор ОСМ Р1-8МП-0,125-100 кОм±0,1%-0,5-Л | **3** |  |
| **R48** | ОЖ0.467.164ТУ, П0.070.052 |  |  |
|  | [**MF-25 (c2-23) 0.25/0.125Вт, 100кОм, 1%**](https://www.chipdip.ru/product0/35558) |  |  |
|  |  |  |  |
| **R27,R38,** | Резистор ОСМ Р1-8МП-0,125-24,9 кОм±0,1%-0,5-Л | **3** |  |
| **R49** | ОЖ0.467.164ТУ, П0.070.052 |  |  |
|  | [**MF-25,0.25/0.125Вт, 24кОм, 1%**](https://www.chipdip.ru/product0/56156) |  |  |
|  |  |  |  |
| **R65** | Резистор ОСМ Р1-8МП-0,125-7,68 кОм±0,1%-0,5-Л | **1** |  |
|  | ОЖ0.467.164ТУ, П0.070.052 |  |  |
|  | [**MF-25,0.25/0.125Вт, 7.5кОм, 1%**](https://www.chipdip.ru/product0/52173) |  |  |
|  |  |  |  |
| **R61\*** | Резистор ОС С2-29В-0,125-6,49 кОм±0,1%-1,0-А | **1** | **\*подбир.**  **5,11-8,25 кОм** |
|  | ОЖ0.467.099 ТУ, ОЖ0.467.138ТУ |  | **по ряду Е48** |
|  | [**Подстроечный резистор 3266Р-1-502LF, 5kОм, 0.25 Вт, 11 оборотов, 10% точность**](https://www.chipdip.ru/product/3266p-1-502) |  |  |
|  | [**Металлопленочный резистор MF-25, 0.25Вт, 4.3 кОм, 1% точность**](https://www.chipdip.ru/product0/14392) |  |  |
|  | Чип и Дип |  |  |
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| **R62** | Резистор ОСМ Р1-8МП-0,125-3,65 кОм±0,1%-0,5-Л | **1** |  |
|  | ОЖ0.467.164ТУ, П0.070.052 |  |  |
|  | [**MF-25,0.25/0.125Вт, 3.6 кОм, 1%**](https://www.chipdip.ru/product0/63337) |  |  |
|  |  |  |  |
| **R66** | Резистор ОСМ Р1-8МП-0,125-1,33 кОм±0,1%-0,5-Л | **1** |  |
|  | ОЖ0.467.164ТУ, П0.070.052 |  |  |
|  | [**MF-25,0.25/0.125Вт, 1.3кОм, 1%**](https://www.chipdip.ru/product0/59322) |  |  |
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| **R71** | [**MF-25,0.25/0.125Вт, 1кОм, 1%**](https://www.chipdip.ru/product0/24834) | 5 |  |
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| **R72** | Резистор ОСМ Р1-8МП-0,125-2,8 кОм±0,5%-0,5-Л | **1** |  |
|  | ОЖ0.467.164ТУ, П0.070.052 |  |  |
|  | [**MF-25,0.25/0.125Вт, 2.7кОм, 1%**](https://www.chipdip.ru/product0/27154) |  |  |
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| **R35,R45,** | Резистор ОСМ Р1-8МП-0,125-511 Ом±0,5%-0,5-Л | **3** |  |
| **R57** | ОЖ0.467.164ТУ, П0.070.052 |  |  |
|  | [**MF-25,0.25/0.125Вт, 510Ом, 1%**](https://www.chipdip.ru/product0/53173) |  |  |
|  |  |  |  |
| **R70** | Резистор ОСМ Р1-8МП-0,125-487 Ом±0,5%-0,5-Л | **1** |  |
|  | ОЖ0.467.164ТУ, П0.070.052 |  |  |
|  | [**MF-25,0.25/0.125Вт, 470Ом, 1%**](https://www.chipdip.ru/product0/42881) |  |  |
|  |  |  |  |
| **R59,R60,** | Резистор Р1-112-0,125-62кОм±5%-К-А | **2** |  |
|  | ДАРГ.434110.004ТУ |  |  |
|  | [**MF-25,0.25/0.125Вт, 62кОм, 1%**](https://www.chipdip.ru/product0/13009) |  |  |
| **R29,R34,R36,** | Р1-8МП-0,125-20,5 кОм±0,1%-0,5-Л | 9 |  |
| **R42,R44,R46** | [MF-25 (c2-23) 0.25Вт, 20кОм, 1%](https://www.chipdip.ru/product0/12226) |  |  |
| **R54,R56,R58** |  |  |  |
|  |  |  |  |
| **R53,R39,R28** | Р1-8МП-0,125-2,05 кОм±0,5%-0,5-Л | 3 |  |
|  | [MF-25 (c2-23) 0.25Вт, 2кОм, 1%](https://www.chipdip.ru/product0/37365) |  |  |
|  |  |  |  |
|  | *Датчики температуры* |  |  |
|  | [MF-25 (c2-23) 0.25Вт, 2.4кОм, 1%](https://www.chipdip.ru/product0/43877) | 3 |  |
|  | [16K1-B1K, L20KC, 1kOm, угол поворота – 300 ,10%](https://www.chipdip.ru/product/16k1-b1k) | 3 |  |
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|  | *Стабилитроны* |  |  |
| **VD2,** | **Стабилитрон 2С108Д ОСМ** | **2** |  |
|  | аА0.339.436ТУ, П0.070.052 |  |  |
|  | [**2C168A – 0.3Вт, 6.1 – 7.5 В (Уном=6.8В), ТКС=0.06**](https://www.chipdip.ru/product/2s168a) |  |  |
|  | Чип и Дип |  |  |
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ЛИСТ РЕГИСТРАЦИИ ИЗМЕНЕНИЙ

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| изменение | Номера листов (страниц) | | | | Всего лис­тов (стра­ниц) в до­ку­менте | № документа | Входящий № сопроводи­тельного  документа и дата | подпись | дата |
| изменённых | заменённых | новых | аннулиро­ванных |
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