Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 1.0 | 150 | 2.2 | 1.0 | 15 |  |  |  |  |

Для всех рассчитываемых значений указать теоретические формулы.

Вопрос №2 - данные (все R – [kΩ], U1, U2 – [mV])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| +2 | – 1 | 2.0 | 1.5 | 6.0 | 5 | 5 | 3.0 | 7.5 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
|  | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)

Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 1.5 | 180 | 2.2 | 2.0 | 20 |  |  |  |  |

Вопрос №2 - данные (все R – [kΩ], U1, U2, ±VCC – [V])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| – 1.5 | – 2.5 | 2.5 | 10 | 1.5 | 0.75 | 2 | 4 | 8 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
| ±VCC | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)

Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 0.5 | 70 | 0.33 | 3.0 | 30 |  |  |  |  |

Вопрос №2 - данные (все R – [kΩ], U1, U2 – [mV])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| 2.0 | 8.0 | 2.5 | 15 | 8 | 12 | 24 | 10 | 24 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
| ±VCC | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)

Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 0.2 | 40 | 2.0 | 4.0 | 12 |  |  |  |  |

Вопрос №2 - данные (все R – [kΩ], U1, U2 – [V])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| – 1.0 | 2.5 | 1.5 | 4.0 | 12 | 2 | 8 8 | 4 | 10 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
| ±VCC | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)

Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 2.0 | 160 | 0.33 | 2.4 | 10 |  |  |  |  |

Вопрос №2 - данные (все R – [kΩ], U1, U2– [mV])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| –2.0 | 4.0 | 3.5 | 14 | 8 | 12 | 24 | 5 | 30 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
| ±VCC | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)

Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 3.0 | 150 | 0.68 | 2.5 |  |  |  |  |  |

Вопрос №2 - данные (все R – [kΩ], U1, U2– [mV])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| –2.0 | –4.0 | 2.4 | 12 | 4.5 | 18 | 9 | 12 | 36 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
| ±VCC | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)

Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 0.75 | 30 | 2.2 | 3.6 |  |  |  |  |  |

Вопрос №2 - данные (все R – [kΩ], U1, U2 – [mV])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| – 1.5 | 2 | 2 | 4 | 8 | 2 | 3 | 10 | 15 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
| ±VCC | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)

Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 1.8 | 180 | 0.75 | 5.0 |  |  |  |  |  |

Вопрос №2 - данные (все R – [kΩ], U1, U2 – [mV])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| 1.5 | 2.5 | 3 | 12 | 2.0 | 1.0 | 1 | 2 | 4 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
| ±VCC | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)

Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 2.0 | 160 | 0.22 | 3.2 |  |  |  |  |  |

Вопрос №2 - данные (все R – [kΩ], U1, U2– [mV])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| –2.0 | –6.0 | 4.5 | 18 | 1.5 | 6.0 | 24 | 2 | 28 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
| ±VCC | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)

Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 1.0 | 75 | 2.2 | 3.0 |  |  |  |  |  |

Вопрос №2 - данные (все R – [kΩ], U1, U2 – [mV])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| – 1.5 | – 2 | 2.0 | 3.0 | 12 | 2.4 | 8 12 | 14 | 10 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
| ±VCC | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)

Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 0.5 | 50 | 3.3 | 3.5 |  |  |  |  |  |

Вопрос №2 - данные (все R – [kΩ], U1, U2– [mV])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| 3.0 | –5.0 | 4.5 | 27 | 4 | 12 | 36 | 2.5 | 20 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
| ±VCC | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)

Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 3.0 | 330 | 0.33 | 5.0 |  |  |  |  |  |

Вопрос №2 - данные (все R – [kΩ], U1, U2 – [mV])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| 4.0 | 6.0 | 3.5 | 28 | 3.6 | 18 | 12 | 16 | 24 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
| ±VCC | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)

Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 0.3 | 15 | 6.8 | 1.0 |  |  |  |  |  |

Вопрос №2 - данные (все R – [kΩ], U1, U2 – [V])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| 3 | – 3 | 3 | 4.5 | 9 | 8 | 4 | 3.5 | 7 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
| ±VCC | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)

Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 1.1 | 220 | 2.2 | 10.0 |  |  |  |  |  |

Вопрос №2 - данные (все R – [kΩ], U1, U2 – [mV])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| – 1.0 | – 2.0 | 3.0 | 9.0 | 4 | 6 | 2 | 3 | 6 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
| ±VCC | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)

Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 1.8 | 36 | 0.5 | 1.0 |  |  |  |  |  |

Вопрос №2 - данные (все R – [kΩ], U1, U2– [mV])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| 3.0 | –5.0 | 7.5 | 10 | 16 | 24 | 24 | 3 | 87 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
| ±VCC | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)

Вопрос №1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R1, kΩ | R2, kΩ | C1, uF | f1, МГц | KD(\*103) | KU.NOM | KU.REAL | fНЧ, Гц | fВЧ, кГц |
| 1.5 | 300 | 2.2 | 6.0 |  |  |  |  |  |

Вопрос №2 - данные (все R – [kΩ], U1, U2, ±VCC – [V])

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1 | U2 | R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| – 2.0 | 2.0 | 5 | 6.0 | 15 | 6 | 8 18 | 10 | 15 |

Вопрос №2 - результаты

|  |  |  |  |
| --- | --- | --- | --- |
| ±VCC | Тип УК | \*UOUT, формула | UOUT, значение |
| ОА1 |  |  |  |
| ОА2 |  |  |  |
| ОА3 |  |  |  |

\* - в формулу входят: резисторы (R1, … R7) и напряжения (U1, U2, UA, UB, UC)