

Standard EIA decade Values

E-12 → E-96

The Electronic Industries Association (EIA) "E" series specify standard values for various tolerances. The number following the "E" specifies the number of logarithmic steps per decade. The tables below are normalized for the decade between 10 and 100. The values in any decade can be derived by merely dividing or multiplying the table entries by powers of 10.

The series are as follows:

E-12 serie ($\pm 10\%$)

10	12	15	18	22	27	33	39	47	56	68	82
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E-24 serie ($\pm 5\%$)

10	11	12	13	15	16	18	20	22	24	27	30
33	36	39	43	47	51	56	62	68	75	82	91

E-48 serie ($\pm 2\%$)

10	10.5	11	11.5	12.1	12.7	13.3	14	14.7	15.4	16.2	16.9
17.8	18.7	19.6	20.5	21.5	22.6	23.7	24.9	26.1	27.4	28.7	30.1
31.6	33.2	34.8	36.5	38.3	40.2	42.2	44.2	46.4	48.7	51.1	53.6
56.2	59	61.9	64.9	68.1	71.5	75	78.7	82.5	86.6	90.9	95.3

E-96 serie ($\pm 1\%$)

10	10.2	10.5	10.7	11	11.3	11.5	11.8	12.1	12.4	12.7	13
13.3	13.7	14	14.3	14.7	15	15.4	15.8	16.2	16.5	16.9	17.4
17.8	18.2	18.7	19.1	19.6	20	20.5	21	21.5	22.1	22.6	23.2
23.7	24.3	24.9	25.5	26.1	26.7	27.4	28	28.7	29.4	30.1	30.9
31.6	32.4	33.2	34	34.8	35.7	36.5	37.4	38.3	39.2	40.2	41.2
42.2	43.2	44.2	45.3	46.4	47.5	48.7	49.9	51.1	52.3	53.6	54.9
56.2	57.6	59	60.4	61.9	63.4	64.9	66.5	68.1	69.8	71.5	73.2
75	76.8	78.7	80.6	82.5	84.5	86.6	88.7	90.9	93.1	95.3	97.6

Note: Other resistance values may be available, contact factory

For more details or questions, please contact us at info@ate-electronics.com