

Technical Note TN005 – EIA Standard Values for Resistors

Standard Resistor Values and Commonly Associated Tolerances

0.1%, 0.25%, 0.5%				1%		2%, 5%	10%	20%	Index		
E192				E96		E24	E12	E6			
1	1.78	3.16	5.62	1	3.16	1	1	1	1	49	97 145
1.01	1.8	3.2	5.69	1.02	3.24	1.1	1.2	1.5	2	50	98 146
1.02	1.82	3.24	5.76	1.05	3.32	1.2	1.5	2.2	3	51	99 147
1.04	1.84	3.28	5.83	1.07	3.4	1.3	1.8	3.3	4	52	100 148
1.05	1.87	3.32	5.9	1.1	3.48	1.5	2.2	4.7	5	53	101 149
1.06	1.89	3.36	5.97	1.13	3.57	1.6	2.7	6.8	6	54	102 150
1.07	1.91	3.4	6.04	1.15	3.65	1.8	3.3		7	55	103 151
1.09	1.93	3.44	6.12	1.18	3.74	2	3.9		8	56	104 152
1.1	1.96	3.48	6.19	1.21	3.83	2.2	4.7		9	57	105 153
1.11	1.98	3.52	6.26	1.24	3.92	2.4	5.6		10	58	106 154
1.13	2	3.57	6.34	1.27	4.02	2.7	6.8		11	59	107 155
1.14	2.03	3.61	6.42	1.3	4.12	3	8.2		12	60	108 156
1.15	2.05	3.65	6.49	1.33	4.22	3.3			13	61	109 157
1.17	2.08	3.7	6.57	1.37	4.32	3.6			14	62	110 158
1.18	2.1	3.74	6.65	1.4	4.42	3.9			15	63	111 159
1.2	2.13	3.79	6.73	1.43	4.53	4.3			16	64	112 160
1.21	2.15	3.83	6.81	1.47	4.64	4.7			17	65	113 161
1.23	2.18	3.88	6.9	1.5	4.75	5.1			18	66	114 162
1.24	2.21	3.92	6.98	1.54	4.87	5.6			19	67	115 163
1.26	2.23	3.97	7.06	1.58	4.99	6.2			20	68	116 164
1.27	2.26	4.02	7.15	1.62	5.11	6.8			21	69	117 165
1.29	2.29	4.07	7.23	1.65	5.23	7.5			22	70	118 166
1.3	2.32	4.12	7.32	1.69	5.36	8.2			23	71	119 167
1.32	2.34	4.17	7.41	1.74	5.49	9.1			24	72	120 168
1.33	2.37	4.22	7.5	1.78	5.62				25	73	121 169
1.35	2.4	4.27	7.59	1.82	5.76				26	74	122 170
1.37	2.43	4.32	7.68	1.87	5.9				27	75	123 171
1.38	2.46	4.37	7.77	1.91	6.04				28	76	124 172
1.4	2.49	4.42	7.87	1.96	6.19				29	77	125 173
1.42	2.52	4.48	7.96	2	6.34				30	78	126 174
1.43	2.55	4.53	8.06	2.05	6.49				31	79	127 175
1.45	2.58	4.59	8.16	2.1	6.65				32	80	128 176
1.47	2.61	4.64	8.25	2.15	6.81				33	81	129 177
1.49	2.64	4.7	8.35	2.21	6.98				34	82	130 178
1.5	2.67	4.75	8.45	2.26	7.15				35	83	131 179
1.52	2.71	4.81	8.56	2.32	7.32				36	84	132 180
1.54	2.74	4.87	8.66	2.37	7.5				37	85	133 181
1.56	2.77	4.93	8.76	2.43	7.68				38	86	134 182
1.58	2.8	4.99	8.87	2.49	7.87				39	87	135 183
1.6	2.84	5.05	8.98	2.55	8.06				40	88	136 184
1.62	2.87	5.11	9.09	2.61	8.25				41	89	137 185
1.64	2.91	5.17	9.2	2.67	8.45				42	90	138 186
1.65	2.94	5.23	9.31	2.74	8.66				43	91	139 187
1.67	2.98	5.3	9.42	2.8	8.87				44	92	140 188
1.69	3.01	5.36	9.53	2.87	9.09				45	93	141 189
1.72	3.05	5.42	9.65	2.94	9.31				46	94	142 190
1.74	3.09	5.49	9.76	3.01	9.53				47	95	143 191
1.76	3.12	5.56	9.88	3.09	9.76				48	96	144 192

General Note

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