

MARKING CODES FOR 0603, 1% RESISTORS

As the chart shows, a Two-Digit Number Code is assigned to each standard Resistance Value per E96 guidelines (Decade value listings). This is followed by an Alpha Code System which is a multiplier for the value table. Each letter, from "A" – "Z", represents a specific multiplier.

STANDARD RESISTANCE VALUES FOR THE 10 TO 100 DECADE

(also usable in decade multiples or sub-multiples)

MARKING CODES FOR RESISTANCE VALUES

E96		E96		E96		E96		E96		E96	
DECADE	CODE	DECADE	CODE	DECADE	CODE	DECADE	CODE	DECADE	CODE	DECADE	CODE
100	01	147	17	215	33	316	49	464	65	681	81
102	02	150	18	221	34	324	50	475	66	698	82
105	03	154	19	226	35	332	51	487	67	715	83
107	04	158	20	232	36	340	52	499	68	732	84
110	05	162	21	237	37	348	53	511	69	750	85
113	06	165	22	243	38	357	54	523	70	768	86
115	07	169	23	249	39	365	55	536	71	787	87
118	08	174	24	255	40	374	56	549	72	806	88
121	09	178	25	261	41	383	57	562	73	825	89
124	10	182	26	267	42	392	58	576	74	845	90
127	11	187	27	274	43	402	59	590	75	866	91
130	12	191	28	280	44	412	60	604	76	887	92
133	13	196	29	287	45	422	61	619	77	909	93
137	14	200	30	294	46	432	62	634	78	931	94
140	15	205	31	301	47	442	63	649	79	953	95
143	16	210	32	309	48	453	64	665	80	976	96

**LETTER
MULTIPLIER
CROSS
REFERENCE**

- A - 10⁰
 - B - 10¹
 - C - 10²
 - D - 10³
 - E - 10⁴
 - F - 10⁵
 - G - 10⁶
 - H - 10⁷
 - X - 10⁻¹
 - Y - 10⁻²
 - Z - 10⁻³
- (Letter multipliers may also come in lower case.)

By combining a specific two-digit code and a letter multiplier, you have a series of Numeric/Alpha digits that give you the complete E96 Resistance Value Codes for parts marking.

**0603, ±1%
Chip Marking**

01A
25C
93D

**EXAMPLE:
Explanation**

01 means 100 and A = 1
25 means 178 and C = 100
93 means 909 and D = 1000

Value:

100 x 1.0 = 100 Ohm
178 x 100 = 17.8K Ohm
909 x 1000 = 909K Ohm