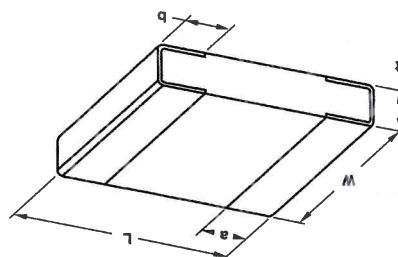




**Type CRG Series**
**Dimensions**


Style	L	W	t	a	b
0201	0.6 ±0.03	0.3 ±0.03	0.23 ±0.03	0.10 ±0.05	0.15 ±0.05
0402	1.0 ±0.1	0.5 ±0.05	0.35 ±0.05	0.2 ±0.1	0.25 ±0.1
0603	1.6 ±0.1	0.8 ±0.15	0.45 ±0.1	0.3 ±0.2	0.3 ±0.1
0805	2.0 ±0.15	1.25 ±0.15	0.55 ±0.1	0.4 ±0.2	0.4 ±0.2
1206	3.1 ±0.15	1.55 ±0.15	0.55 ±0.1	0.45 ±0.2	0.45 ±0.2
2010	5.0 ±0.1	2.5 ±0.15	0.55 ±0.1	0.6 ±0.25	0.5 ±0.2
2512	6.35 ±0.1	3.2 ±0.15	0.55 ±0.1	0.6 ±0.25	0.5 ±0.2

**IEC 4 Digit Marking**

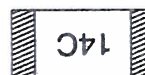
Resistance	Marking Code
100Ω	1000
2.2KΩ	2201
10KΩ	1002
49.9KΩ	4992
100KΩ	1003

**Case Sizes 0603**

E24 3 Digit Marking - Example: 101=100Ω 102=1KΩ

E24	10	11	12	13	15	16	18	20	22	24	27	30
	33	36	39	43	47	51	56	62	68	75	82	91

E96 3 Digit Marking - Examples: 14C=13K7Ω, 13C=13K3Ω, 68B=4K99Ω, 68X=4.9Ω


**0603 E96 Marking Code Table**

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

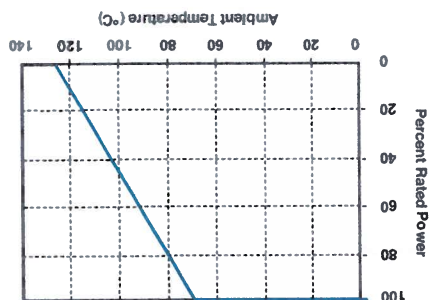
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Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters and inches unless otherwise specified. Values in brackets are standard equivalents.

## Type CRG Series

### Derating Curve



### Mounting

The resistors are suitable for processing on automatic insertion equipment.

### Marking

CRG0805, CRG1206, CRG2010, CRG2512

E24 series resistors are marked with a three digit code.

E96 series resistors are marked with a four digit code.

Zerohm components are marked '0'.

### CRG0603

E24 5% series are marked with a three digit code.

E24 1% series are marked with a three digit code.

E96 series are marked with the international alphanumeric three character code (available on request). EXCEPT 10, 11, 13, 15, 20 & 75 decades which are marked as the E24 series.

CRG0201 & CRG0402 series unmarked.

### Performance Characteristics

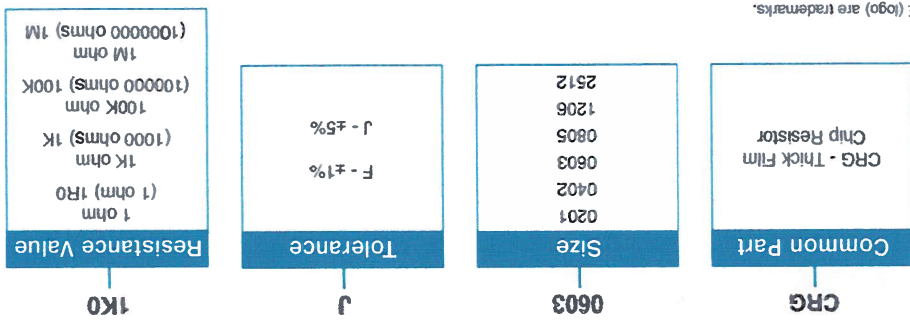
The evaluation of the performance characteristics is carried out with reference to IECQ specifications QC 400 000 and QC 400 100.

<b>TEST REF</b>	<b>Long Term Tests</b> $\pm(3\% + 0.1 \text{ ohm})$
4.23	Climatic sequence
4.24	Damp heat, steady state
4.25.1	Endurance at 70 °C
4.25.3	Endurance at 125 °C
<b>TEST REF</b>	<b>Short Term Tests</b> $\pm(1\% + 0.05 \text{ ohm})$
4.13	Overload
4.32	Adhesion
4.33	Bond strength of end face plating
4.19	Rapid change of temperature
4.18	Resistance to soldering heat

### Storage

Unopened reels should be stored within a temperature range of +5 °C to +25 °C, separated from any dust, chemicals and solvent based materials. Non-adherence to this procedure could effect the solderability of this product.

### How to Order



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