



SYNTON-TECH CORPORATION

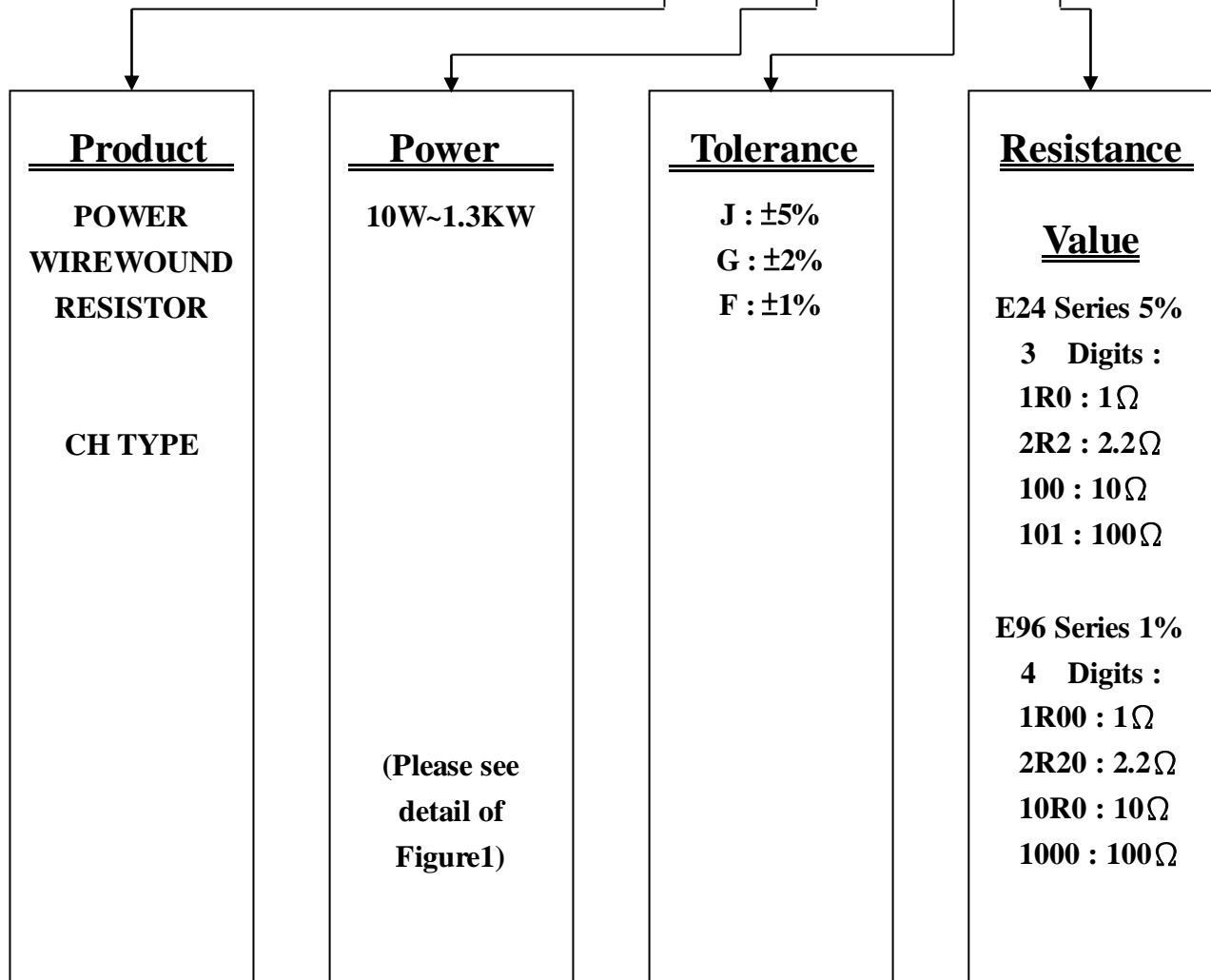
POWER WIREWOUND RESISTOR

File No.:	CH-02-C
Version:	A
Page:	1/5
Date:	2023.06.29

1. EXPLANATIONS OF ORDERING CODE

Example : DESCRIPTION : CH 100W 5% 10Ω

SYNTON CODE : CH 100W J 100



APPROVED	CHECKED	DESIGNED	REMARK	DOCUMENT NO.
Carol	May	Chen		0201010486



SYNTON-TECH CORPORATION

POWER WIREWOUND RESISTOR

File No.:	CH-02-C
Version:	A
Page:	2/5
Date:	2023.06.29

2. ELECTRICAL CHARACTERISTICS

Characteristics	Limits
Resistance Tolerance	$\pm 1\%$, $\pm 2\%$, $\pm 5\%$, $\pm 10\%$
Power Rating Load	$\Delta R/R \leq \pm (1\% + 0.05\Omega)$ (Temperature) 350°C max.
Short-Time Overload	1000% rated power 5 seconds $\Delta R/R \leq \pm (0.5\% \pm 0.05\Omega)$
Insulation Resistance	DC500V 1000M Ω min.
Dielectric Withstanding Voltage	AC3000V 1 minute
Temp. Coefficient of Resistance	$\pm 1500\text{PPM}/^\circ\text{C}$ max.

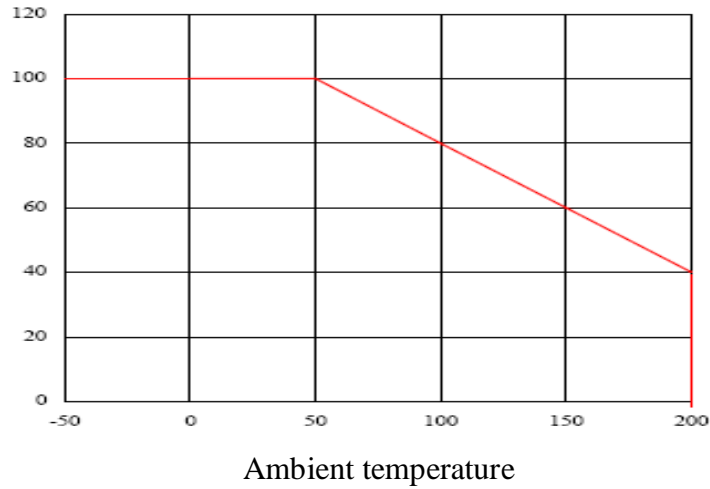
Figure 1



File No.:	CH-02-C
Version:	A
Page:	3/5
Date:	2023.06.29

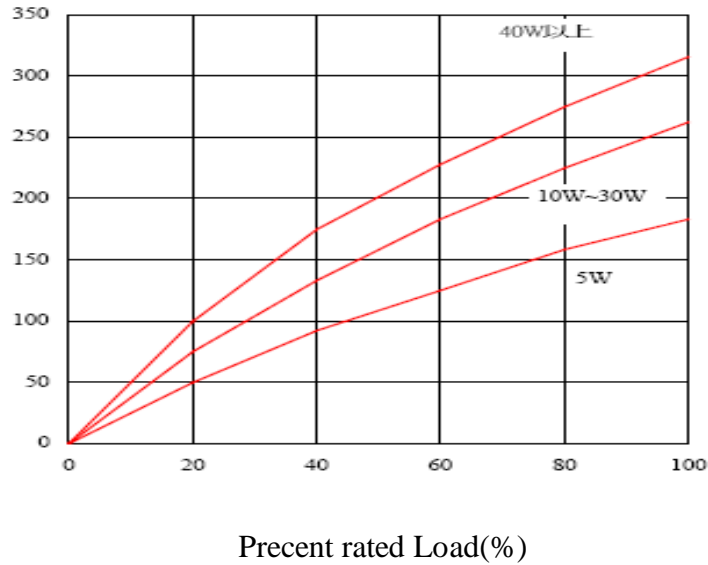
Power Derating Curve

Derating Ratio(%)



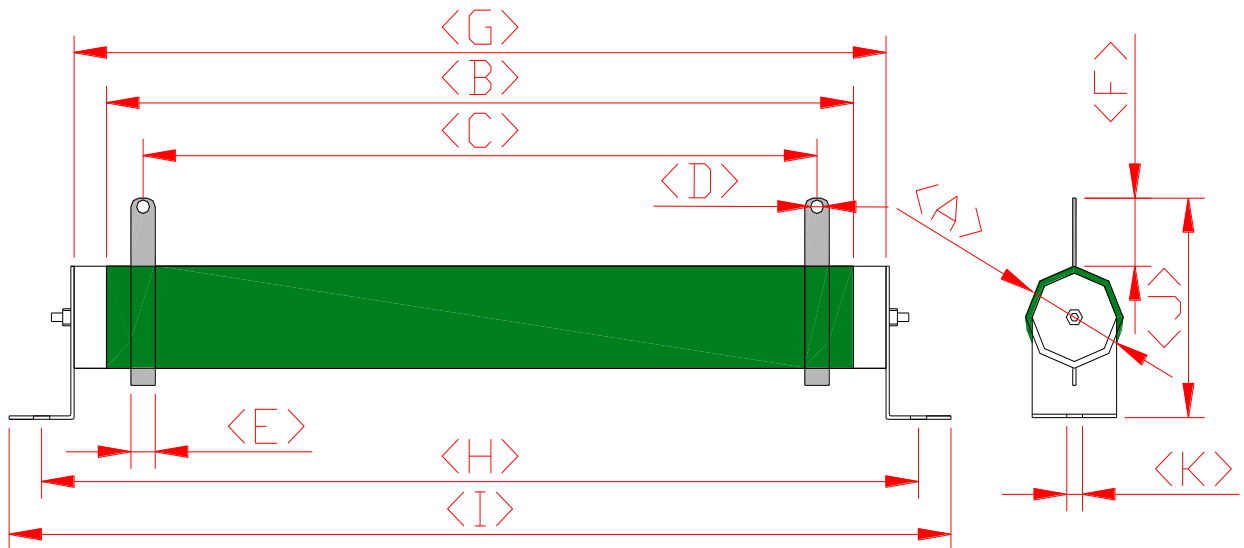
Temperature Rise Curve

Temperature Rise (deg.)





3. DIMENSIONS





SYNTECH CORPORATION

POWER WIREWOUND RESISTOR

File No.:	CH-02-C
Version:	A
Page:	5/5
Date:	2023.06.29

定格電力 (W) Power Rating	尺寸 Dimensions (mm)											電阻值範圍 (Ω)
	A±1	B±2	C±2	D±0.1	E±0.2	F±1	G±2	H±2	I±2	J±2	K±0.1	Resistance Range
CH10W	12.5	45	35	2.1	4	10.5	46	53	63	28	4	1 Ω ~ 5K Ω
CH20W	16.5	60	49	3	5	12	70	78	97	42	4	1 Ω ~ 10K Ω
CH30W	16.5	80	69	3	5	12	90	98	117	42	4	1 Ω ~ 15K Ω
CH40W	16.5	110	69	3	5	12	120	128	147	42	4	1 Ω ~ 20K Ω
CH50W	25	110	94	5.2	8	19	120	142	164	58	6	0.1 Ω ~ 25K Ω
CH60W	28	90	72	5.2	8	17.6	101	125	145	60	6	0.1 Ω ~ 30K Ω
CH80W	28	110	92	5.2	8	17.6	121	145	165	60	6	0.1 Ω ~ 40K Ω
CH100W	28	140	122	5.2	8	17.6	151	175	195	60	6	0.1 Ω ~ 50K Ω
CH120W	28	160	142	5.2	8	17.6	171	195	215	60	6	0.1 Ω ~ 60K Ω
CH150W	28	195	177	5.2	8	17.6	206	230	250	60	6	0.1 Ω ~ 75K Ω
CH160W	35	185	167	5.2	8	18	197	219	249	75	8	0.1 Ω ~ 80K Ω
CH200W	35	210	190	5.2	8	18	222	244	274	75	8	0.1 Ω ~ 100K Ω
CH250W	40	210	186	5.2	10	17.5	224	245	277	88.8	9	0.5 Ω ~ 125K Ω
CH300W	40	260	241	5.2	10	17.5	273	294	327	88.8	9	0.5 Ω ~ 150K Ω
CH400W	40	330	305	5.2	10	17.5	343	362	396	88.8	9	0.5 Ω ~ 200K Ω
CH500W	50	330	298	6.4	12	25.5	346	367	400	99	10	0.5 Ω ~ 250K Ω
CH600W	50	400	368	6.4	12	25.5	416	437	470	99	10	0.5 Ω ~ 300K Ω
CH700W	50	460	428	6.4	12	25.5	475	497	528	99	10	0.5 Ω ~ 350K Ω
CH800W	60	460	420	6.4	15	28	480	502	533	112	10	0.5 Ω ~ 400K Ω
CH1000W	60	540	500	6.4	15	28	560	582	613	110	10	1 Ω ~ 500K Ω
CH1300W	65	650	615	6.4	15	31	672	696	725	125	10	1 Ω ~ 600K Ω

Figure1

SPECIFICATIONS CUSTOM MADE
INDUCTIVE/NON-INDUCTIVE ARE AVAILABLE
1.5KW~10KW AVAILABLE ON YOUR REQUEST