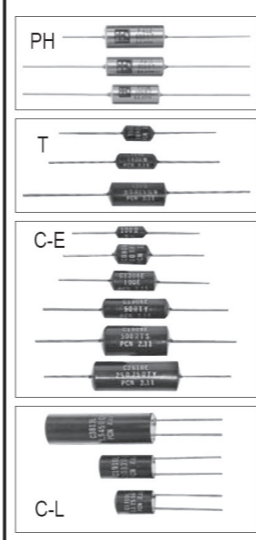


# Precision Wire Wound Resistors

- Max: 1.2W
- Tolerance: 0.005%
- TCR: 5ppm/°C

## GENERAL SPECIFICATIONS

Model	Power Rating[W]	Resistance Range[Ω]	Resistance Tolerance(%)	Max Voltage[V]	Operating Temp.	Temp Coefficient
PH04	0.4	1 ~ 56K	$V [\pm 0.005]$ $R > 50\Omega$ $T [\pm 0.01]$ $R > 10\Omega$ $A [\pm 0.05]$ $R \geq 1\Omega$	200	-30°C~ +100°C	$(\pm 5\text{ppm}/^\circ\text{C})$ $R \geq 10\Omega$ $(\pm 10\text{ppm}/^\circ\text{C})$ $R < 10\Omega$
PH06	0.6	1 ~ 80K				
PH10	1.0	1 ~ 300K				
PH12	1.2	1 ~ 500K				
T56E	0.125	10 ~ 27K	$T [\pm 0.01]$ $R > 50\Omega$ $A [\pm 0.05]$ $R > 10\Omega$	150	-30°C~ +100°C	±5ppm/°C
T55E	0.25	10 ~ 56K				
T53E	0.5	10 ~ 180K				
C0603E	0.1	0.1 ~ 30K	$Q [\pm 0.02]$ $A [\pm 0.05]$ $R > 10\Omega$ $B [\pm 0.1]$ $R \geq 1\Omega$	60	-65°C~ +145°C	$(\pm 20\text{ppm}/^\circ\text{C})$ $R \geq 10\Omega$ $(\pm 50\text{ppm}/^\circ\text{C})$ $10\Omega > R \geq 1\Omega$ $(\pm 90\text{ppm}/^\circ\text{C})$ $1\Omega > R \geq 0.1\Omega$
C0806E	0.125	0.1 ~ 125K				
C1306E	0.15	0.1 ~ 225K				
C2610E	0.4	0.1 ~ 1.2M				
C2613E	1.0	0.1 ~ 1.5M				
C0806L	0.125	0.1 ~ 20K				
C1310L	0.25	0.1 ~ 240K				
C1910L	0.33	0.1 ~ 450K				

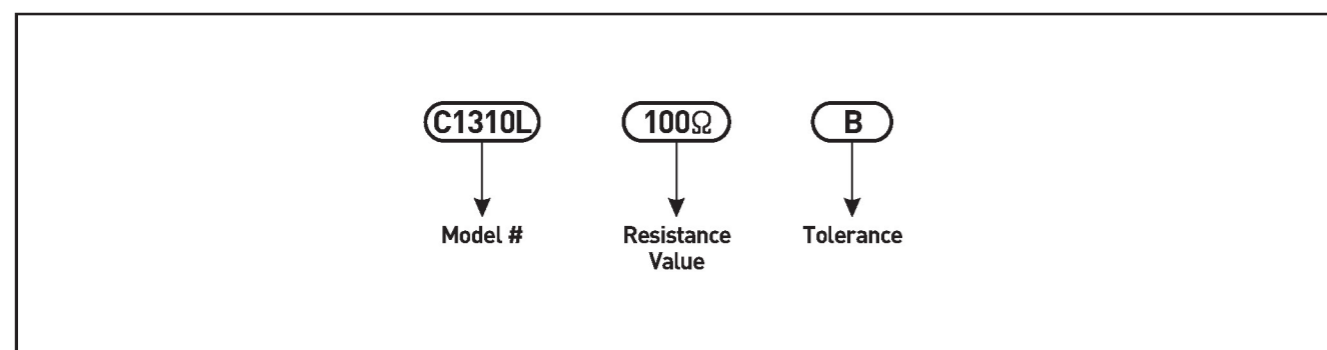


## CHARACTERISTICS

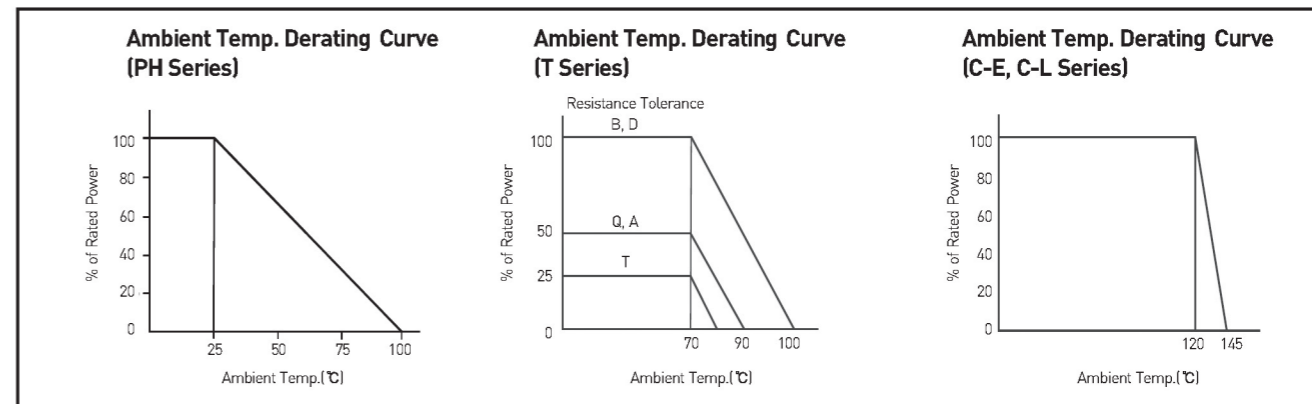
Test	Limit			Conditions
	C-E, C-L Series	T Series	PH Series	
Insulation Resistance	≥1000MΩ	≥1000MΩ	≥1000MΩ	DC 500V
Dielectric Withstanding voltage	±(0.05%+0.05Ω)	±0.02%	±0.005%	AC 1000V 1minute
Short Time Overload	±(0.1%+0.05Ω)	±0.05%	±0.005%	2 x wattage rating 10minutes
Temperature Cycling	±(0.2%+0.05Ω) ※1: 125°C	±0.02% ※2: 70°C	±0.01% ※3: 85°C	-30 (30minutes)~Normal Temp. (15minutes) ~ ※1, ※2, ※3(30minutes) ~ Normal Temp.(15minutes) Repeat 5cycles
Load Life	±(0.5%+0.05Ω) ※4: 125°C	±0.05% ※5: 70°C	±0.01% ※6: normal temp	Wattage rating ( ※4, ※5, ※6) 1500hours

\* Note1: Other resistance will be available, please call factory

## ORDERING PROCEDURE EXAMPLE



## DERATING CURVES



## DIMENSIONS (mm)

Model	L(mm)	D(mm)	d(mm)
PH04	17	7.5	0.8
PH06	23	7.5	0.8
PH10	30	10.5	0.8
PH12	31	12.5	0.8
T56E	11	6.8	0.9
T55E	15	6.8	0.9
T53E	20	10	0.9
C0603E	10	4	0.6
C0806E	10	7	0.8
C1306E	15	7	0.8
C2610E	28	10	0.8
C2613E	28	13	0.8
C0806L	8	6.8	0.6
C1310L	13	10	0.8
C1910L	19	10	0.8

