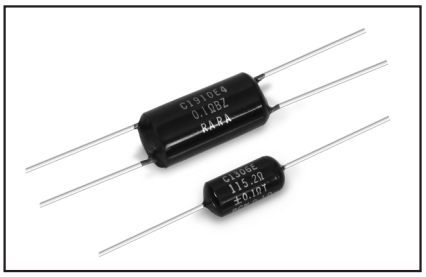
Precision Wire Wound Resistors

These are high precision wire wound resistors, providing excellent stability over temperature and time. They use balanced multiple, low reactance windings employing an exclusive 'air cushion' technique, providing virtually stress free elements. They are non inductively' wound with the direction of winding reversed at the half turns point. They are suitable for most analogue precision circuits, e.g, gain setting, bridge balancing, voltage dividing, referencing, etc.



GENERAL SPECIFICATIONS

Type	Model	Power Rating [W]	Resistance [Ω]	Tolerance [%]	Maximum Voltage[V]	Operating Temperature	Temperature Coefficient
T	T56E	0.125	10 to 27K	[±0.01(T) R>50Ω] [±0.05(A) R>10Ω]	150	-30℃ to 100℃	±5ppm/℃
	T55E	0.25	10 to 56K		200		
	T53E	0.5	10 to 180K		300		

Type	Model	Power Rating [W]	Resistance [Ω]	Tolerance [%]	Maximum Voltage[V]	Operating Temperature	Temperature Coefficient
C-E	C0603E	0.1	0.1 to 30K	[±0.02(Q) ±0.05(A) R>10Ω] [±0.1(B) R≥1Ω]	60	-65℃ to 145℃	[±20ppm/℃ R≥10Ω] [±50ppm/℃ 10>R≥1Ω] [±90ppm/℃ 1>R≥0.1Ω]
	C0806E	0.125	0.1 to 125K		150		
	C1306E	0.15	0.1 to 225K		200		
	C2610E	0.4	0.1 to 1.2M		600		
	C2613E	1.0	0.1 to 1.5M		700		

Type	Model	Power Rating [W]	Resistance [Ω]	Tolerance [%]	Maximum Voltage[V]	Operating Temperature	Temperature Coefficient
C-L	C0806L	0.125	0.1 to 20K	[±0.02(Q) ±0.05(A) R>10Ω] [±0.1(B) R≥1Ω]	60	-65℃ to 145℃	[±20ppm/℃ R≥10Ω] [±50ppm/℃ 10>R≥1Ω] [±90ppm/℃ 1>R≥0.1Ω]
	C1310L	0.25	0.1 to 240K		300		
	C1910L	0.33	0.1 to 450K		300		

CHARACTERISTICS

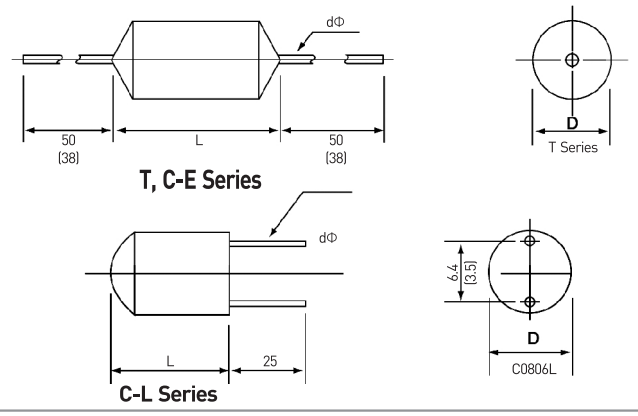
ITEM	Limit		TEST
	C-E, C-L Series	T Series	
Short Time Overload	±(0.1%+0.05Ω)	±0.05%	2 X Power rating 10minutes
Temperature Cycling	±(0.2%+0.05Ω) *1:125℃	±0.02% *2:70℃	See Note1
Insulation Resistance	≥1000MΩ	≥1000MΩ	DC 500V
Dielectic Resistance	±(0.05%+0.05Ω)	±0.02%	AC 1000V for 1minute
Load Life	±(0.5%+0.05Ω) *4:125℃	±0.05% *5:70℃	See Note2

Note1: -30℃(30minutes) to Normal Temperature (15minutes) ~ *1, *2, *3(30minutes) ~ Normal Temperature(15minutes) Repeat 5cycles

Note2: Wattage rating (4, 5, 6) 1500hours

Tel: 82-32-817-4325 Fax: 82-32-817-4329

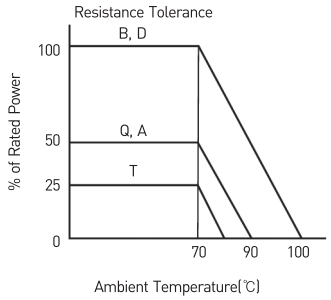
DIMENSIONS [mm]



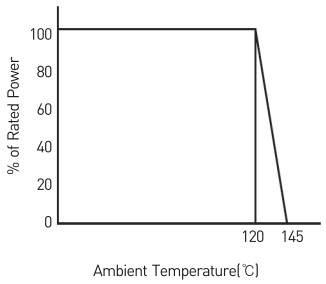
Model	L(mm)	D(mm)	d(mm)
T56E	11	6.8	0.9
T55E	15	6.8	0.9
T53E	20	10	0.9
C0603E	10	4	0.6
C0806E	10	7	0.8
C1306E	15	7	0.8
C2610E	28	10	0.8
C2613E	28	13	0.8
C0806L	8	6.8	0.6
C1310L	13	10	0.8
C1910L	19	10	0.8

DERATING CURVES

Ambient Temperature Derating Curve (T Series)



Ambient Temperature Derating Curve (C-E, C-L Series)



ORDERING PROCEDURE EXAMPLE

