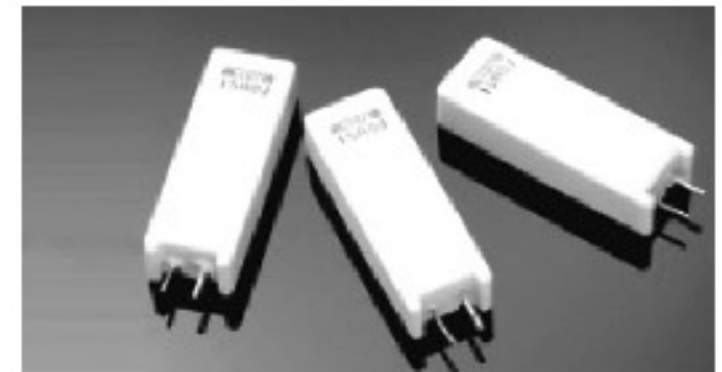


RCT RECTANGULAR THERMAL CUT-OFF RESISTOR

RCT models have a metal alloy, wire wound, ceramic core element connected to a thermal fuse. This system is housed in a thermally conductive ceramic case and then sealed and insulated with inorganic filler. These models exhibit excellent surge handling capability, high stability and quick response to overload and temperature conditions.

Applications include: PDP power supplies and circuits preventing current inrush to switching regulators.



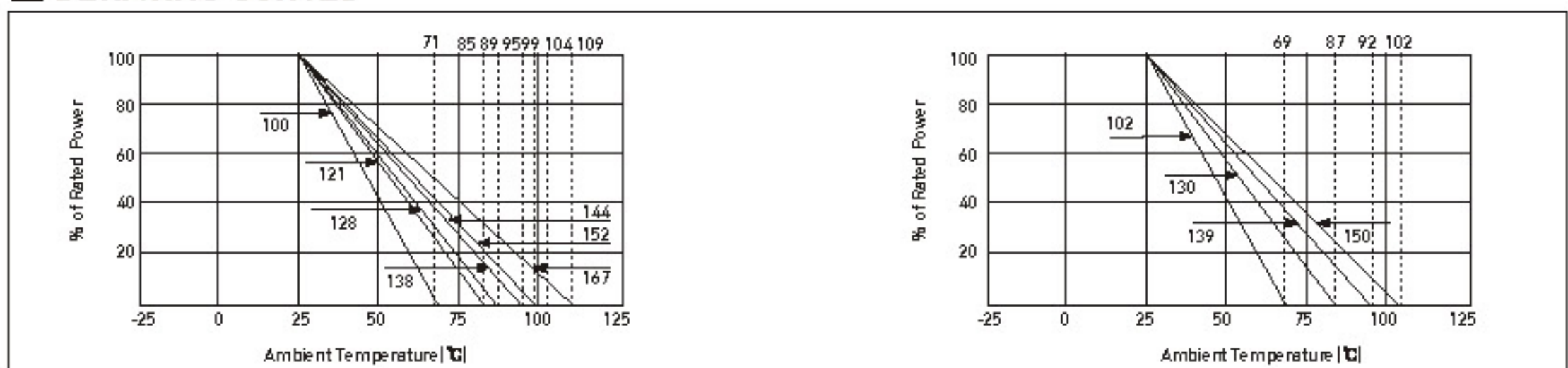
GENERAL SPECIFICATIONS

Thermal Fuse Symbol	Type of Thermal Fuse			Continuous Rated Power(W)		Resistance Range(Ω)	Resistance Tolerance(%)
	Nominal Operating Temp. (℃)	Voltage Rating(V)	Current Rating(A)	05	07	RCT	
E	102	250	2	0.9	-	1~20	J (±5) K (±10)
K	130			1.3	-		
B	139			1.6	-		
D	150			1.8	-		
C	100	250	10	1.0	1.3		
H	121			1.3	1.7		
P	128			1.5	1.9		
B	139			1.6	2.1		
N	144			1.7	2.2		
S	152			1.8	2.3		
Q	167			2.0	2.4		

CHARACTERISTICS

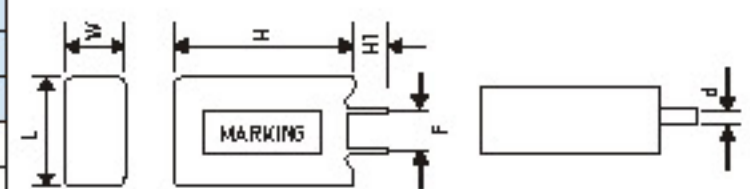
DC resistance	Within specified tolerance	Measure resistance at 25 $^{\circ}\text{C}$
TCR	Within $\pm 400\text{ppm}/^{\circ}\text{C}$	+25 $^{\circ}\text{C}/+100^{\circ}\text{C}$
Resistance to soldering heat	$\pm(1\%+0.05\Omega)$	260 $\pm 5^{\circ}\text{C}$, 2~2.5mm 10 $\pm 1\text{sec}$. measure resistance After 1 hour at room temp.
Dump heat, steady state	$\pm(5\%+0.1\Omega)$	25 $\pm 2^{\circ}\text{C}$, 90~95%RH, 1.5hours on, 0.5hours off cycle, 1000hours
Endurance	$\pm(5\%+0.1\Omega)$	25 $\pm 2^{\circ}\text{C}$, 1.5hours on, 0.5hours off cycle, rated DC voltage time: 1000hours

DERATING CURVES



DIMENSIONS(mm)

Model	Dimension(mm)						$\Phi d \pm 0.02$	
	L ± 1.0	W ± 1.0	H ± 1.5	H1 ± 0.5	F ± 0.5		Resistor	Fuse
RCT 05	14.0	9.5	26.0	4.5	5.0	0.8	2A	0.6
RCT 07	14.0	9.5	40.0	4.5	5.0	0.8	10A	1.0



ORDERING PROCEDURE EXAMPLE

RCT	07	1B	15R0	J
Model #	Power Rating	Fuse Rating	Normal Resistance	Resistance Tolerance
	05: 5W 07: 7W	1B: 10A, 139 $^{\circ}\text{C}$ 2D: 2A, 150 $^{\circ}\text{C}$	15R0: 15 Ω	J: $\pm 5\%$ K: $\pm 10\%$