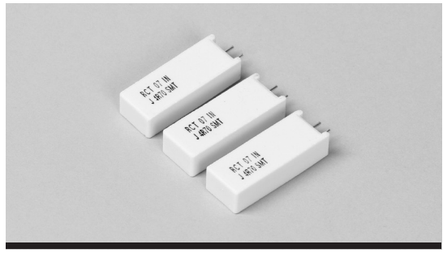
RCT

Rectangular Thermal Cutoff Resistor

RoHS HF

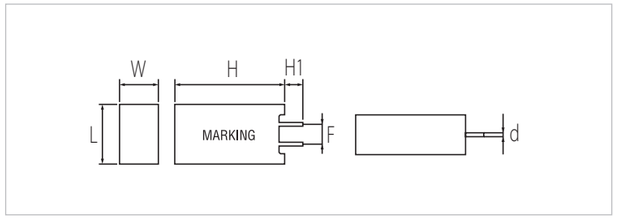


RCT is resistor that its resistance material is metal alloy wire Wounded on ceramic core, then connected with Thermal fuse and This object with terminals inserted into the ceramic case which has Good thermal conductivity, and finally sealed and insulated with Inorganic fillers.
RCT is suitable for PDP power supply.

● Features

- Excels in surge withstanding capability
- Suitable for the prevention of inrush current for switching regulations.
- The dispersion in fusing characteristics has been minimized and assure high stability performance
- Respond quickly to over loading as well as external overheating

● Dimension

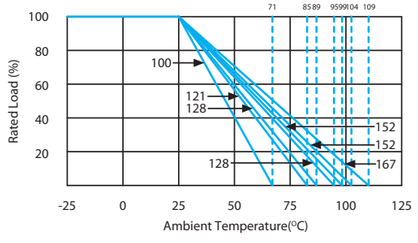


Type	Dimension (mm)							
	L±1.0	W±1.0	H±1.5	H1±1.5	F±1.5	Φd±0.02		
						Resistor	Fuse	
3W	11.0	7.5	20.0	11.5	5.0	0.8	2A	0.5
5W	14.0	9.5	26.5	4.5	5.0	0.8	2A	0.5
							10A	1.0
7W	14.0	9.5	40.0	4.5	5.0	0.8	10A	1.0

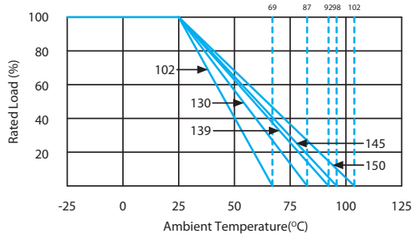
● Type Designation

RCT	07	1B	15R0	J
Products Code	Power Rating	Fuse Rating	Nominal Resistance	Resistance Tolerance
	03 : 3W 05 : 5W 07 : 7W	1B :10A,139°C 2D :2A,150°C	15R0: 15Ω	J : ±5% K : ±10%

● Derating Curve – Fuse Rating 10A



● Derating Curve – Fuse Rating 2A



● Agency Approval

Agency	Item	File No.
cULus	RCT 5W / 7W 1~20Ω	E250345

● Fuse Rating

Type	Thermal Fuse Symbol	Type Thermal Fuse		
		Nominal Open Temp. (°C)	Voltage Rating (V)	Current Rating (A)
3W / 5W	E	102	250	2
	F	105		
	K	130		
	L	133		
	B	139		
	T	145		
	D	150		
5W / 7W	C	100		10
	G	109		
	H	121		
	J	126		
	P	128		
	B	139		
	N	144		
	S	152		
	Q	167		

● Characteristics

Type	Max. Open Circuit Voltage (V)	Resistance Range (Ω)	Resistance Tolerance (%)	Operating Temperature (°C)	Ambient Temperature (°C)
3W	250	0.47 ~ 10	J : ±5 K : ±10	-25~+100	25
5W	350	0.47 ~ 240			
7W	350	0.47 ~ 240			

● Performance

Test Items	Performance Requirements	Test Methods
Resistance	Within specified tolerance	Measuring resistance at 25°C
T.C.R	Under ±400 PPM/°C	+25°C / +100°C (Difference from thermistor fuse a vailability)
Fusing Characters	Over 100 times nominal resistance	Rated power × 10 / ~40sec Rated Power × 30 / ~20sec
Load Life in Moisture	± (5% + 0.1Ω)	40±2°C, 90~95%RH, 1.5hr ON / 0.5hr OFF cycle, 1,000hr
Load Life in Temperature	± (5% + 0.1Ω)	70±2°C, 1.5hr ON / 0.5hr OFF cycle, 1,000hr

Specification given here in may be changed at any time without prior notice. Please confirm technical specifications before you order or use.

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