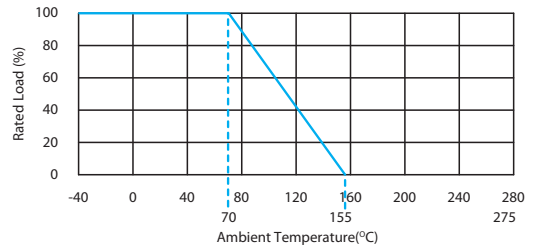


ICW is a kind of multi-functional Protector:
ICW can limit inrush current which is generated at the moment when power is on, and ICW cuts off over-current like fuse in case of abnormal condition.

● Features

- Effective control of inrush current.
- Quick cut-off time (like fuse)
- Stable against repeated surge voltage.
- Diminishing space for convenient use and auto-insertion.
- Superior LSS (Lightning Surge Simulation) capability.

● Deration Curve



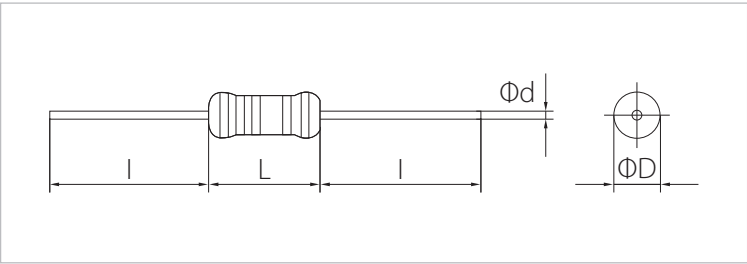
● Shape

Axial Type	Punching Type	Forming Type	Cement Type
52mm	M-	R-	ML
O	O	O	O

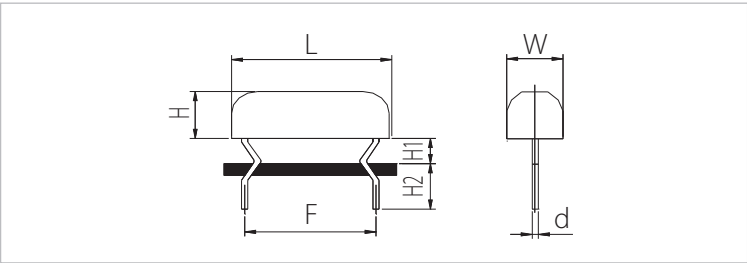
● Characteristics

Type	Dielectric Withstanding Voltage (V)	Resistance Range (Ω)	Resistance Tolerance (%)	Operating Temperature (°C)	Ambient Temperature (°C)
2W	350	0.1~10	J : ±5	-55~+200	70

● Dimension



Type	Dimension (mm)			
	L±1.0	ΦD±0.5	l±3.0	Φd±0.02
2W	8.5	3.5	26.0	0.70



Dimension (mm)						
L±1.0	H±0.5	W±0.5	d±0.03	F±0.1	H1±0.5	H2±0.5
17.0	6.5	6.6	0.7	15.0	3.0	4.5

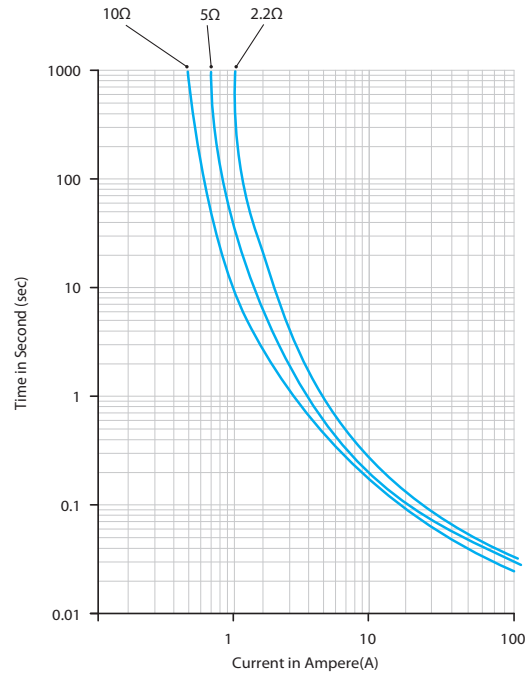
● Type Designation

ICW	02	T1	2R20	J
Products Code	Power Rating	Style	Nominal Resistance	Resistance Tolerance
	02 : 2W	T- : Axial Type R- : Forming Type M- : Punching Type ML : Cement Type	2R20: 2.2Ω	J : ±5% K : ±10%

● Agency Approval

Agency	Item	File No.
	ICW 2W T1/M2 J 2.2Ω	E250345

● I-T Curve



● Performance

Test Items	Performance Requirements	Test Methods	
Resistance	Within specified tolerance	Measuring resistance at 25°C	
T.C.R	Within 4,500±1,500 PPM/°C	+25°C / +125°C	
Fusing Characteristics	Within specified value	Refer to IT-curve	
Resistance Against Soldering Test	± (2% + 0.1Ω)	260 ± 5°C, 2~2.5mm, 10 ± 1sec, Measure resistance after 1hour at room temp.	
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	
Lightning Surge Simulation	± (5% + 0.1Ω)	Combination Waveform	Standard wave: Combination Waveform (1.2/50μs,8/20μs) Applied voltage:1.5kV Polarity : +/- each Method of application : 5times to each polarity
		Ring Waveform	Standard wave: Ring Waveform (0.5μs,100kHz) Applied voltage : 6 kV Polarity : +/- each Method of application : 5times to each polarity