

It is the over-current protective devices which realized low resistance and a miniaturization by the unique manufacturing process.

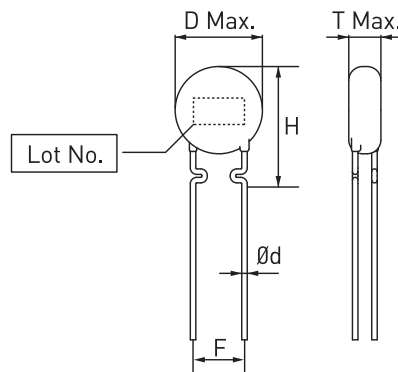
Specification of the 16 V series that have lower resistance are very suitable for such an application of low-voltage circuit protection ,protection for PC & motor and the sensor for current detection.

FEATURES

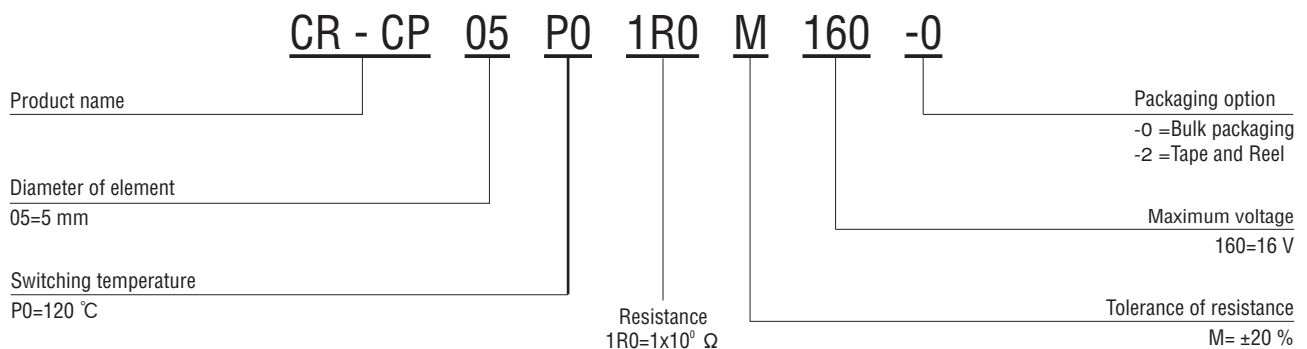
- This device has faster response time for over current event.
- This device will protect the circuit until unusual condition is reset.
- This device will not create noise, because it does not have mechanical contacts.
- This device is capable of operating more than 100,000 times repeatedly within trip current.

APPLICATIONS

- Switching power supply
- AC/DC adaptor
- Personal computers
- Printers
- Air-conditioner
- Audio equipment
- Rechargeable battery for EV/HEV



PART NUMBER DESIGNATION



CR-CP

CERAMIC RESETTABLE CIRCUIT PROTECTORS

PART NUMBER LIST

Part Number	Resistance [Ω] (at 25 °C)	V Max. [V]	Current Characteristic [mA]				I Max. [A]	D	T	H	F	\emptyset d
			Hold Current		Trip Current			mm (Max.)	mm (Max.)	mm (Max.)	mm	mm
			(at +85 °C)	(at +25 °C)	(at +25 °C)	(at -30 °C)						
CR-CP 05P0 1R0M 160	1.0 \pm 20 %	16	250	470	880	1100	2	6.0	3.5	10.5	5.0	0.6
CR-CP 06P0 0R8M 160	0.8 \pm 20 %	16	270	500	960	1190	3	6.5	3.5	11.0	5.0	0.6
CR-CP 07P0 R47M 160	0.47 \pm 20 %	16	380	700	1310	1630	5	7.5	3.5	12.0	5.0	0.6
CR-CP 09P0 R33M 160	0.33 \pm 20 %	16	470	880	1630	2030	7	9.5	3.5	14.0	5.0	0.6
CR-CP 10P0 R27M 160	0.27 \pm 20 %	16	550	1030	1900	2370	8	10.0	3.5	15.0	5.0	0.6
CR-CP 12P0 0R2M 160	0.20 \pm 20 %	16	690	1300	2410	3000	9	12.0	3.5	17.0	5.0	0.6
CR-CP 14P0 R15M 160	0.15 \pm 20 %	16	820	1550	2860	3560	10	14.0	3.5	18.5	5.0	0.6

ENVIRONMENTAL CHARACTERISTICS

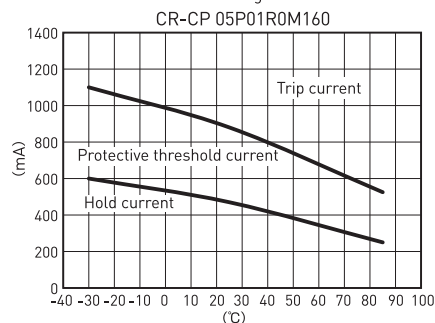
Item	Test conditions	Specifications
Operating temp.range	—————	-30 ~ +85 °C
Withstanding Voltage	DC voltage 110 % that of the maximum voltage 180 \pm 5 seconds	Resistance change should be within \pm 20 %
Humidity	60 °C, 90 %RH, 500 h	Resistance change should be within \pm 20 %

PACKAGING SPECIFICATIONS

Part Number	Packaging option	bulk	bulk
	code	- 0	- 2
	Quantity (pcs)	200	3000
CR-CP 05P0 1R0M 160		○	○
CR-CP 06P0 0R8M 160		○	○
CR-CP 07P0 R47M 160		○	○
CR-CP 09P0 R33M 160		○	○
CR-CP 10P0 R27M 160		○	○
CR-CP 12P0 0R2M 160		○	○
CR-CP 14P0 R15M 160		○	—

EXAMPLE ELECTRICAL CHARACTERISTICS

• Protective Threshold Current range



• Operating time

