

P.R.C.P.

POLYMER RESETTABLE CIRCUIT PROTECTORS

PACKAGING SPECIFICATIONS

Surface Mount Type

Packaging option	Tape and Reel							
	- 2							
Symbol	1000	1500	2000	3000	3500	5000	6000	10000
PRCP-SM030 ~ 125,260			○					
150 ~ 250		○						
PRCP-MSMF010 ~ 030		○						
050 ~ 200, 260			○					
110/24X, 150/24X		○						
250/16X		○						
PRCP-SMDF series							○	
PRCP-NSMF series				○				
PRCP-USMF series				○				
PRCP-PSMF series				○				
PRCP-ASML/X series								○
PRCP-NSML150/6 ~ 260/6						○		
300/6 ~ 600/6					○			
150/12 ~ 260/12						○		
300/12 ~ 450/12					○			

Radial Leaded Type

Packaging option	Bulk packaging	Tape and Reel			
	- 0	- 2			
Symbol	500	1000	1500	2000	3000
PRCP-R005 ~ 160	○				○
PRCP-R185 ~ 400	○		○		
PRCP-R500 ~ 1100	○				
PRCP-RG series	○				○
PRCP-RX020/72 ~ 090/72	○				○
PRCP-RX110/72 ~ 160/72	○		○		
PRCP-RX185/72 ~ 375/72	○	○			
PRCP-RHT070 ~ 200	○				○
PRCP-RHT450 ~ 650	○		○		
PRCP-RHT750 ~ 1300	○	○			
PRCP-RM005/240 ~ 040/240	○			○	
PRCP-RM055/240	○	○			

DEFINITIONS OF SYMBOLS AND TERMS IN DATASHEET

V max : Maximum voltage

The maximum voltage a P.R.C.P. device can withstand without damage in its tripped state. The device may be damaged if you apply the voltage bigger than V max.

I max : Maximum current

The maximum fault current a P.R.C.P. device can withstand without damage at the rated voltage. The device may be damaged if you apply the current bigger than I max.

I hold : Hold current

The maximum current a P.R.C.P. device will not trip under specified conditions at 23°C.

I trip : Trip current

The minimum current that will switch a P.R.C.P. from the low resistance to the high resistance state under specified conditions at 23°C.

R min : Minimum resistance (Initial)

The minimum device resistance under specified conditions at 23°C.

R max : Maximum resistance (Initial)

The maximum device resistance under specified condition at 23°C.

R 1max : maximum resistance after past trip of past reflow

The maximum device resistance one hour after at 23°C.

A P.R.C.P. device has been tripped or been reflow-soldered.

Time to trip

The time for a P.R.C.P. device to trip. It will be in inverse proportion to the value of the current through the device.

Tripped power dissipation

Power dissipated from the device while in the tripped state at 23°C.

Power is calculated by the applied voltage and the current through the device.