



**Features**

- Radial Leaded Devices
- Cured, flame retardant epoxy polymer insulating material meets UL 94V-0 requirements
- RoHS compliant\* and halogen free\*\*
- Agency recognition:  

**Applications**

- Almost anywhere there is a low voltage power supply and a load to be protected, including:
- Computers & peripherals
  - General electronics
  - Automotive applications

**PRCP-R Series - Polymer Resettable Circuit Protectors**

**Electrical Characteristics**

Model	V max. Volts	I max. Amps	I <sub>hold</sub>	I <sub>trip</sub>	Initial Resistance		1 Hour (R <sub>1</sub> ) Post-Trip Resistance	Max. Time To Trip		Tripped Power Dissipation
			Amperes at 23 °C		Ohms at 23 °C		Ohms at 23 °C	Amperes at 23 °C	Seconds at 23 °C	Watts at 23 °C
			Hold	Trip	Min.	Max.	Max.			Typ.
PRCP-R005***	60	40	0.05	0.10	7.3	11.1	22.0	0.5	5.0	0.22
PRCP-R010	60	40	0.10	0.20	2.50	4.50	7.50	0.5	4.0	0.38
PRCP-R017	60	40	0.17	0.34	2.00	3.20	8.00	0.85	3.0	0.48
PRCP-R020	60	40	0.20	0.40	1.50	2.84	4.40	1.0	2.2	0.40
PRCP-R025	60	40	0.25	0.50	1.00	1.95	3.00	1.25	2.5	0.45
PRCP-R030	60	40	0.30	0.60	0.76	1.36	2.10	1.5	3.0	0.50
PRCP-R040	60	40	0.40	0.80	0.52	0.86	1.29	2.0	3.8	0.55
PRCP-R050	60	40	0.50	1.00	0.41	0.77	1.17	2.5	4.0	0.75
PRCP-R065	60	40	0.65	1.30	0.27	0.48	0.72	3.25	5.3	0.90
PRCP-R075	60	40	0.75	1.50	0.18	0.40	0.60	3.75	6.3	0.90
PRCP-R090	60	40	0.90	1.80	0.14	0.31	0.47	4.5	7.2	1.00
PRCP-R090-0-9	30	40	0.90	1.80	0.07	0.12	0.22	4.5	5.9	0.60
PRCP-R110	30	40	1.10	2.20	0.10	0.18	0.27	5.5	6.6	0.70
PRCP-R135	30	40	1.35	2.70	0.065	0.115	0.17	6.75	7.3	0.80
PRCP-R160	30	40	1.60	3.20	0.055	0.105	0.15	8.0	8.0	0.90
PRCP-R185	30	40	1.85	3.70	0.040	0.07	0.11	9.25	8.7	1.00
PRCP-R250	30	40	2.50	5.00	0.025	0.048	0.07	12.5	10.3	1.20
PRCP-R250-0-10	30	40	2.50	5.00	0.025	0.048	0.07	12.5	10.3	1.20
PRCP-R300	30	40	3.00	6.00	0.020	0.05	0.08	15.0	10.8	2.00
PRCP-R400	30	40	4.00	8.00	0.010	0.03	0.05	20.0	12.7	2.50
PRCP-R500	30	40	5.00	10.00	0.010	0.03	0.05	25.0	14.5	3.00
PRCP-R600	30	40	6.00	12.00	0.005	0.02	0.04	30.0	16.0	3.50
PRCP-R700	30	40	7.00	14.00	0.005	0.02	0.03	35.0	17.5	3.80
PRCP-R800	30	40	8.00	16.00	0.005	0.02	0.03	40.0	18.8	4.00
PRCP-R900	30	40	9.00	18.00	0.005	0.01	0.02	45.0	****20.0	4.20
PRCP-R1100	16	100	11.00	22.00	0.003	0.01	0.014	40.0	20.0	4.50

\*\*\* UL and TÜV

\*\*\*\*Tested at 40 amps

**Environmental Characteristics**

Operating/Storage Temperature	-40 °C to +85 °C
Maximum Device Surface Temperature	
in Tripped State	125 °C
Passive Aging	+85 °C, 1000 hours ±5 % typical resistance change
Humidity Aging	+85 °C, 85 % R.H. 1000 hours ±5 % typical resistance change
Thermal Shock	-40 °C to +85 °C, 10 times ±10 % typical resistance change
Solvent Resistance	MIL-STD-202, Method 215 No change
Vibration	MIL-STD-883C, Method 2007.1, Condition A No change

**Test Procedures And Requirements For Model PRCP-R Series**

Test	Test Conditions	Accept/Reject Criteria
Visual/Mech.	Verify dimensions and materials.	Per P.R.C.P. physical description
Resistance	In still air @ 23 °C.	R <sub>min</sub> ≤ R ≤ R <sub>1</sub> max
Time to Trip	.5 times I <sub>hold</sub> , V <sub>max</sub> , 23 °C.	T ≤ max. time to trip (seconds)
Hold Current	30 min. at I <sub>hold</sub> .	No trip
Trip Cycle Life	V <sub>max</sub> , I <sub>max</sub> , 100 cycles	No arcing or burning
Trip Endurance	V <sub>max</sub> , 48 hours	No arcing or burning

UL File Number .....E300792  
 TÜV File Number .....R50421916

\* RoHS Directive 2015/863 Mar. 31, 2015 and Annex .

NIDEC COMPONENTS follows the prevailing definition of "halogen free" in the industry. NIDEC COMPONENTS considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Customers should verify actual device performance in their specific applications.

## Additional Features

- Bulk packaging, tape and reel available on most models

## PRCP-R Series - Polymer Resettable Circuit Protectors

Product Dimensions (see next page for outline drawing)

Model	A Max.	B Max.	C		D Min.	E Max.	Physical Characteristics		
			Nom.	Tol. ±			Style	Lead Dia.	Material
PRCP-R005	$\frac{8.0}{(0.315)}$	$\frac{8.3}{(0.327)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.1}{(0.122)}$	4	$\frac{0.405}{(0.016)}$	Sn/NiCu
PRCP-R010	$\frac{7.4}{(0.291)}$	$\frac{12.7}{(0.5)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.1}{(0.122)}$	1	$\frac{0.51}{(0.020)}$	Sn/NiCu
PRCP-R017	$\frac{7.4}{(0.291)}$	$\frac{12.7}{(0.5)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.1}{(0.122)}$	1	$\frac{0.51}{(0.020)}$	Sn/CuFe
PRCP-R020	$\frac{7.4}{(0.291)}$	$\frac{12.7}{(0.5)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.1}{(0.122)}$	1	$\frac{0.51}{(0.020)}$	Sn/CuFe
PRCP-R025	$\frac{7.4}{(0.291)}$	$\frac{12.7}{(0.5)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.1}{(0.122)}$	1	$\frac{0.51}{(0.020)}$	Sn/CuFe
PRCP-R030	$\frac{7.4}{(0.291)}$	$\frac{13.4}{(0.528)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.1}{(0.122)}$	1	$\frac{0.51}{(0.020)}$	Sn/CuFe
PRCP-R040	$\frac{7.4}{(0.291)}$	$\frac{13.7}{(0.539)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.1}{(0.122)}$	1	$\frac{0.51}{(0.020)}$	Sn/CuFe
PRCP-R050	$\frac{7.9}{(0.311)}$	$\frac{13.7}{(0.539)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.1}{(0.122)}$	1	$\frac{0.51}{(0.020)}$	Sn/Cu
PRCP-R065	$\frac{9.7}{(0.382)}$	$\frac{15.2}{(0.598)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.1}{(0.122)}$	1	$\frac{0.51}{(0.020)}$	Sn/Cu
PRCP-R075	$\frac{10.4}{(0.409)}$	$\frac{16.0}{(0.630)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.1}{(0.122)}$	1	$\frac{0.51}{(0.020)}$	Sn/Cu
PRCP-R090	$\frac{11.7}{(0.461)}$	$\frac{16.7}{(0.657)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.1}{(0.122)}$	1	$\frac{0.51}{(0.020)}$	Sn/Cu
PRCP-R090-0-9	$\frac{7.4}{(0.291)}$	$\frac{12.2}{(0.480)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.0}{(0.118)}$	3	$\frac{0.51}{(0.020)}$	Sn/CuFe
PRCP-R110	$\frac{8.9}{(0.350)}$	$\frac{14.0}{(0.551)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.0}{(0.118)}$	1	$\frac{0.51}{(0.020)}$	Sn/Cu
PRCP-R135	$\frac{8.9}{(0.350)}$	$\frac{18.9}{(0.744)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.0}{(0.118)}$	1	$\frac{0.51}{(0.020)}$	Sn/Cu
PRCP-R160	$\frac{10.2}{(0.402)}$	$\frac{16.8}{(0.661)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.0}{(0.118)}$	1	$\frac{0.51}{(0.020)}$	Sn/Cu
PRCP-R185	$\frac{12.0}{(0.472)}$	$\frac{18.4}{(0.724)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.0}{(0.118)}$	1	$\frac{0.51}{(0.020)}$	Sn/Cu
PRCP-R250	$\frac{12.0}{(0.472)}$	$\frac{18.3}{(0.720)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.0}{(0.118)}$	2	$\frac{0.81}{(0.032)}$	Sn/Cu
PRCP-R250-0-10	$\frac{12.0}{(0.472)}$	$\frac{18.3}{(0.720)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.0}{(0.118)}$	3	$\frac{0.51}{(0.020)}$	Sn/CuFe
PRCP-R300	$\frac{12.0}{(0.472)}$	$\frac{18.3}{(0.720)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.0}{(0.118)}$	2	$\frac{0.81}{(0.032)}$	Sn/Cu
PRCP-R400	$\frac{14.4}{(0.567)}$	$\frac{24.8}{(0.976)}$	$\frac{5.1}{(0.201)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.0}{(0.118)}$	2	$\frac{0.81}{(0.032)}$	Sn/Cu
PRCP-R500	$\frac{17.4}{(0.685)}$	$\frac{24.9}{(0.980)}$	$\frac{10.2}{(0.402)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.0}{(0.118)}$	2	$\frac{0.81}{(0.032)}$	Sn/Cu
PRCP-R600	$\frac{19.3}{(0.760)}$	$\frac{31.9}{(1.256)}$	$\frac{10.2}{(0.402)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.0}{(0.118)}$	2	$\frac{0.81}{(0.032)}$	Sn/Cu
PRCP-R700	$\frac{22.1}{(0.870)}$	$\frac{29.8}{(1.173)}$	$\frac{10.2}{(0.402)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.0}{(0.118)}$	2	$\frac{0.81}{(0.032)}$	Sn/Cu
PRCP-R800	$\frac{24.2}{(0.953)}$	$\frac{32.9}{(1.295)}$	$\frac{10.2}{(0.402)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.0}{(0.118)}$	2	$\frac{0.81}{(0.032)}$	Sn/Cu
PRCP-R900	$\frac{24.2}{(0.953)}$	$\frac{32.9}{(1.295)}$	$\frac{10.2}{(0.402)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.0}{(0.118)}$	2	$\frac{0.81}{(0.032)}$	Sn/Cu
PRCP-R1100	$\frac{24.2}{(0.953)}$	$\frac{32.9}{(1.295)}$	$\frac{10.2}{(0.402)}$	$\frac{0.7}{(0.028)}$	$\frac{7.6}{(0.299)}$	$\frac{3.0}{(0.118)}$	2	$\frac{0.81}{(0.032)}$	Sn/Cu

Packaging options: BULK: All models = 500 pcs. per bag.

TAPE & REEL: PRCP-R005-PRCP-R160 - 12.7 mm device pitch = 3000 pcs. per reel;

PRCP-R185-PRCP-R400 - 25.4mm device pitch = 1500 pcs. per reel; PRCP-R250-0-10 = 1500 pcs. per reel.

DIMENSIONS =  $\frac{\text{MM}}{\text{(INCHES)}}$   
 0.405 (26AWG)  
 0.51 (24AWG)  
 0.81 (20AWG)

Specifications are subject to change without notice.

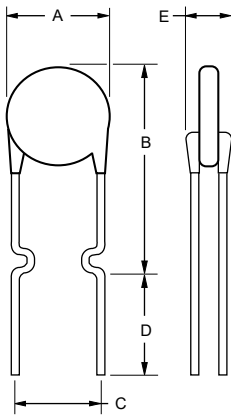
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

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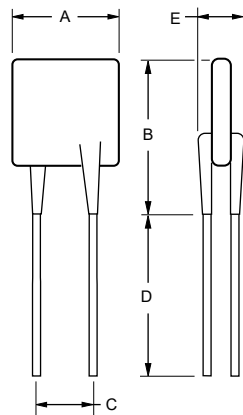
# PRCP-R Series - Polymer Resettable Circuit Protectors

Product Dimensions (see previous page for dimensions)

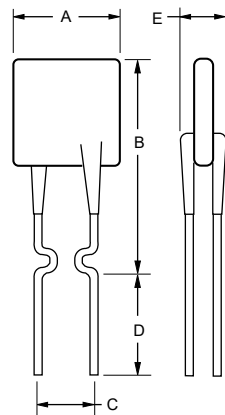
Style 1



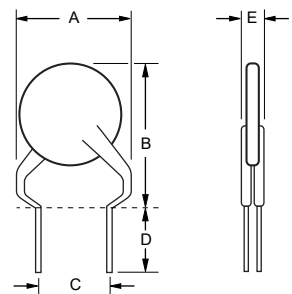
Style 2



Style 3



Style 4



NOTE: Kinked lead option is available for board standoff. Contact factory for details.

NOTE: Also available with straight leads. Contact factory for details.

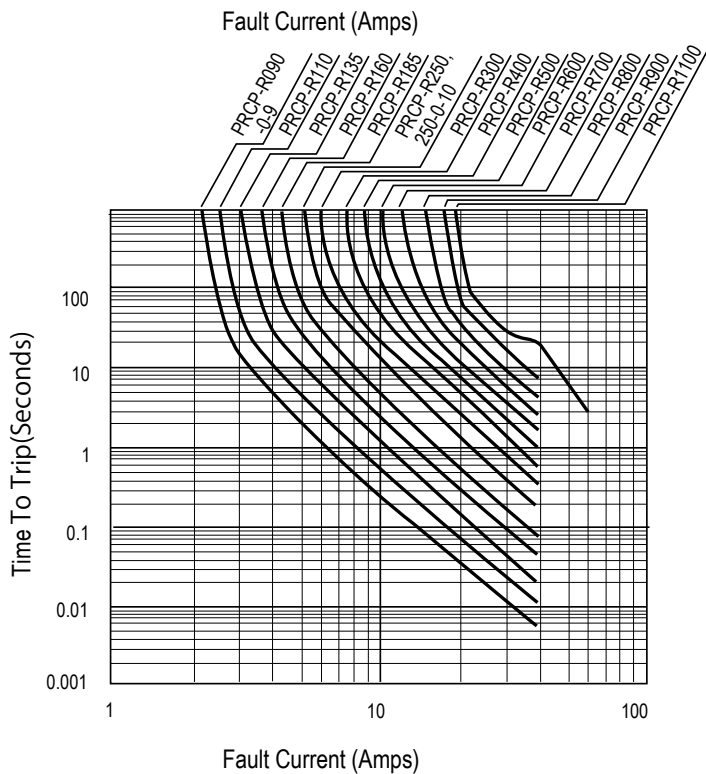
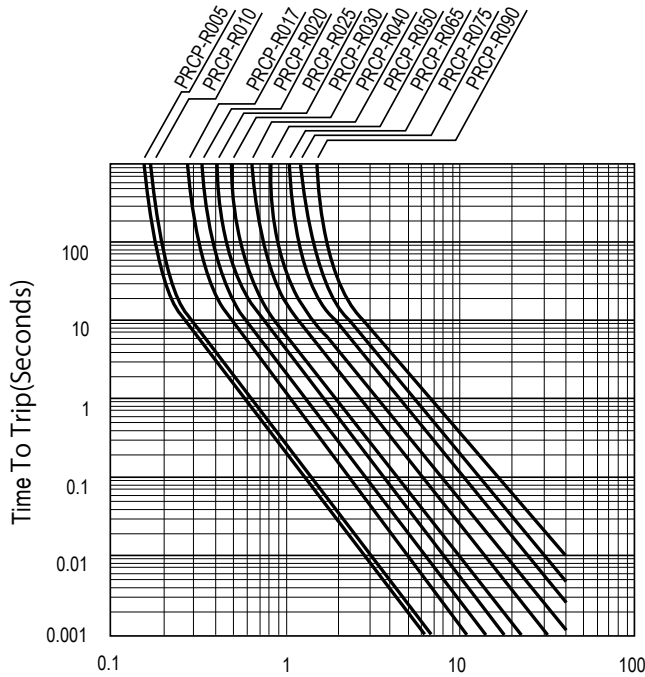
Thermal Derating Chart - I<sub>hold</sub> / I<sub>trip</sub> (Amps)

Model	Ambient Operating Temperature								
	-40 °C	-20 °C	0 °C	23 °C	40 °C	50 °C	60 °C	70 °C	85 °C
PRCP-R005	0.08 / 0.16	0.07 / 0.14	0.06 / 0.12	0.05 / 0.10	0.04 / 0.08	0.04 / 0.08	0.03 / 0.07	0.03 / 0.07	0.02 / 0.05
PRCP-R010	0.16 / 0.32	0.14 / 0.28	0.12 / 0.24	0.10 / 0.20	0.08 / 0.16	0.07 / 0.14	0.06 / 0.12	0.05 / 0.10	0.04 / 0.08
PRCP-R017	0.26 / 0.52	0.23 / 0.46	0.20 / 0.40	0.17 / 0.34	0.14 / 0.28	0.12 / 0.24	0.11 / 0.22	0.09 / 0.18	0.07 / 0.14
PRCP-R020	0.31 / 0.62	0.27 / 0.54	0.24 / 0.48	0.20 / 0.40	0.16 / 0.32	0.14 / 0.28	0.13 / 0.26	0.11 / 0.22	0.08 / 0.16
PRCP-R025	0.39 / 0.78	0.34 / 0.68	0.30 / 0.60	0.25 / 0.50	0.20 / 0.40	0.18 / 0.36	0.16 / 0.32	0.14 / 0.28	0.10 / 0.20
PRCP-R030	0.47 / 0.94	0.41 / 0.82	0.36 / 0.72	0.30 / 0.60	0.24 / 0.48	0.22 / 0.44	0.19 / 0.38	0.16 / 0.32	0.12 / 0.24
PRCP-R040	0.62 / 1.24	0.54 / 1.08	0.48 / 0.96	0.40 / 0.80	0.32 / 0.64	0.29 / 0.58	0.25 / 0.50	0.22 / 0.44	0.16 / 0.32
PRCP-R050	0.78 / 1.56	0.68 / 1.36	0.60 / 1.20	0.50 / 1.00	0.41 / 0.82	0.36 / 0.72	0.32 / 0.64	0.27 / 0.54	0.20 / 0.40
PRCP-R065	1.01 / 2.02	0.88 / 1.76	0.77 / 1.54	0.65 / 1.30	0.53 / 1.06	0.47 / 0.94	0.41 / 0.82	0.35 / 0.70	0.26 / 0.52
PRCP-R075	1.16 / 2.32	1.02 / 2.04	0.89 / 1.78	0.75 / 1.50	0.61 / 1.22	0.54 / 1.08	0.47 / 0.94	0.41 / 0.82	0.30 / 0.60
PRCP-R090	1.40 / 2.80	1.22 / 2.44	1.07 / 2.14	0.90 / 1.80	0.73 / 1.46	0.65 / 1.30	0.57 / 1.14	0.49 / 0.98	0.36 / 0.72
PRCP-R090-0-9	1.40 / 2.80	1.22 / 2.44	1.07 / 2.14	0.90 / 1.80	0.73 / 1.46	0.65 / 1.30	0.57 / 1.14	0.49 / 0.98	0.36 / 0.72
PRCP-R110	1.60 / 3.20	1.43 / 2.86	1.27 / 2.54	1.10 / 2.20	0.91 / 1.82	0.85 / 1.70	0.75 / 1.50	0.67 / 1.34	0.57 / 1.14
PRCP-R135	1.96 / 3.92	1.76 / 3.52	1.55 / 3.10	1.35 / 2.70	1.12 / 2.24	1.04 / 2.08	0.92 / 1.84	0.82 / 1.64	0.70 / 1.40
PRCP-R160	2.32 / 4.64	2.08 / 4.16	1.84 / 3.68	1.60 / 3.20	1.33 / 2.66	1.23 / 2.46	1.09 / 2.18	0.98 / 1.96	0.83 / 1.66
PRCP-R185	2.68 / 5.36	2.41 / 4.82	2.13 / 4.26	1.85 / 3.70	1.54 / 3.08	1.42 / 2.84	1.26 / 2.52	1.13 / 2.26	0.96 / 1.92
PRCP-R250	3.63 / 7.26	3.25 / 6.50	2.88 / 5.76	2.50 / 5.00	2.08 / 4.16	1.93 / 3.86	1.70 / 3.40	1.53 / 3.06	1.30 / 2.60
PRCP-R250-0-10	3.63 / 7.26	3.25 / 6.50	2.88 / 5.76	2.50 / 5.00	2.08 / 4.16	1.93 / 3.86	1.70 / 3.40	1.53 / 3.06	1.30 / 2.60
PRCP-R300	4.35 / 8.70	3.90 / 7.80	3.45 / 6.90	3.00 / 6.00	2.49 / 4.98	2.31 / 4.62	2.04 / 4.08	1.83 / 3.66	1.56 / 3.12
PRCP-R400	5.80 / 11.6	5.20 / 10.4	4.60 / 9.20	4.00 / 8.00	3.32 / 6.64	3.08 / 6.16	2.72 / 5.44	2.44 / 4.88	2.08 / 4.16
PRCP-R500	7.25 / 14.5	6.50 / 13.0	5.75 / 11.5	5.00 / 10.0	4.15 / 8.30	3.85 / 7.70	3.40 / 6.80	3.05 / 6.10	2.60 / 5.20
PRCP-R600	8.70 / 17.4	7.80 / 15.6	6.90 / 13.8	6.00 / 12.0	4.98 / 9.96	4.62 / 9.24	4.08 / 8.16	3.66 / 7.32	3.12 / 6.24
PRCP-R700	10.1 / 20.3	9.10 / 18.2	8.05 / 16.1	7.00 / 14.0	5.81 / 11.6	5.39 / 10.7	4.76 / 9.52	4.27 / 9.44	3.64 / 7.28
PRCP-R800	11.6 / 23.2	10.4 / 20.8	9.20 / 18.4	8.00 / 16.0	6.64 / 13.2	6.16 / 12.3	5.44 / 10.8	4.88 / 9.76	4.16 / 8.32
PRCP-R900	13.0 / 26.1	11.7 / 23.4	10.3 / 20.7	9.00 / 18.0	7.47 / 14.9	6.93 / 12.7	6.12 / 12.2	5.49 / 10.9	4.68 / 9.36
PRCP-R1100	16.1 / 32.0	14.6 / 29.2	13.1 / 26.2	11.0 / 22.1	9.40 / 18.4	8.80 / 17.6	7.80 / 15.6	6.90 / 13.8	5.20 / 10.4

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# PRCP-R Series - Polymer Resettable Circuit Protectors

Typical Time to Trip at 23 °C



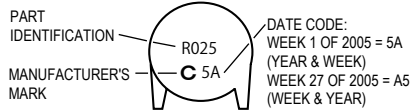
## How to Order

PRCP - R 110 - 0 - 99

Product Designator \_\_\_\_\_  
 Series \_\_\_\_\_  
 R = Radial Leaded Component  
 Hold Current, Ihold \_\_\_\_\_  
 005-1100 (0.05 Amps - 11.0 Amps)  
 Packaging Options \_\_\_\_\_  
 - 0 = Bulk packaging  
 - 2 = Tape and Reel  
 Part Number Suffix Option \_\_\_\_\_  
 - 99 = Part number suffix option for customers requiring a new part number to reference the engineering change to RoHS compliance.

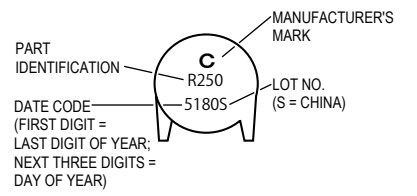
## Typical Part Marking: PRCP-R005-R025

Represents total content. Layout may vary.



## Typical Part Marking: PRCP-R030-R1100

Represents total content. Layout may vary.



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## PRCP-R Series Tape and Reel Specifications

Devices taped using EIA468-B/IEC286-2 standards. See table below and Figures 1 and 2 for details.

Dimension Description	IEC Mark	EIA Mark	Dimensions	
			Dimensions	Tolerance
Carrier tape width	W	W	$\frac{18}{(0.709)}$	$\frac{-0.5/+1.0}{(-0.02/+0.039)}$
Hold down tape width:	W <sub>0</sub>	W <sub>4</sub>	$\frac{11}{(0.433)}$	min.
Hold down tape			No protrusion	
Top distance between tape edges	W <sub>2</sub>	W <sub>6</sub>	$\frac{3}{(0.118)}$	max.
Sprocket hole position	W <sub>1</sub>	W <sub>5</sub>	$\frac{9}{(0.354)}$	$\frac{-0.5/+0.75}{(-0.02/+0.03)}$
Sprocket hole diameter	D <sub>0</sub>	D <sub>0</sub>	$\frac{4}{(0.157)}$	$\frac{\pm 0.2}{(\pm 0.0078)}$
Abscissa to plane (straight lead)	H	H	$\frac{18.5}{(0.728)}$	$\frac{\pm 3.0}{(\pm 0.118)}$
Abscissa to plane (kinked lead)	H <sub>0</sub>	H <sub>0</sub>	$\frac{16}{(0.63)}$	$\frac{\pm 0.5}{(\pm 0.02)}$
Abscissa to top (straight lead)	H <sub>1</sub>	H <sub>1</sub>	$\frac{38.0}{(1.496)}$	max.
Abscissa to top (kinked lead)	H <sub>1</sub>	H <sub>1</sub>	$\frac{32.2}{(1.268)}$	max.
Overall width w/lead protrusion (straight lead)		C <sub>1</sub>	$\frac{55.0}{(2.165)}$	max.
Overall width w/lead protrusion (kinked lead)		C <sub>1</sub>	$\frac{43.2}{(1.7)}$	max.
Overall width w/o lead protrusion (straight lead)		C <sub>2</sub>	$\frac{54.0}{(2.126)}$	max.
Overall width w/o lead protrusion (kinked lead)		C <sub>2</sub>	$\frac{42.5}{(1.673)}$	max.
Lead protrusion	I <sub>1</sub>	L <sub>1</sub>	$\frac{1.0}{(0.039)}$	max.
Protrusion of cutout	L	L	$\frac{11}{(0.433)}$	max.
Protrusion beyond hold-down tape	I <sub>2</sub>	I <sub>2</sub>	Not specified	
Sprocket hole pitch	P <sub>0</sub>	P <sub>0</sub>	$\frac{12.7}{(0.5)}$	$\frac{\pm 0.3}{(\pm 0.012)}$
Pitch tolerance			20 consecutive	$\frac{\pm 1}{(\pm 0.039)}$
Device pitch: PRCP-R005-PRCP-R160			$\frac{12.7}{(0.5)}$	$\frac{\pm 0.3}{(\pm 0.012)}$
Device pitch: PRCP-R185-PRCP-R400			$\frac{25.4}{(1.0)}$	$\frac{\pm 0.6}{(\pm 0.024)}$
Tape thickness	t	t	$\frac{0.9}{(0.035)}$	max.
Tape thickness with splice: PRCP-R010-PRCP-R160		t <sub>1</sub>	$\frac{1.5}{(0.059)}$	max.
Tape thickness with splice: PRCP-R250-PRCP-R1100		t <sub>1</sub>	$\frac{2.3}{(0.091)}$	max.
Splice sprocket hole alignment			0	$\frac{\pm 0.3}{(\pm 0.012)}$
Body lateral deviation	Δ <sub>h</sub>	Δ <sub>h</sub>	0	$\frac{\pm 1.0}{(\pm 0.039)}$
Body tape plane deviation	Δ <sub>p</sub>	Δ <sub>p</sub>	0	$\frac{\pm 1.3}{(\pm 0.051)}$

DIMENSIONS =  $\frac{\text{MM}}{\text{(INCHES)}}$

Specifications are subject to change without notice.

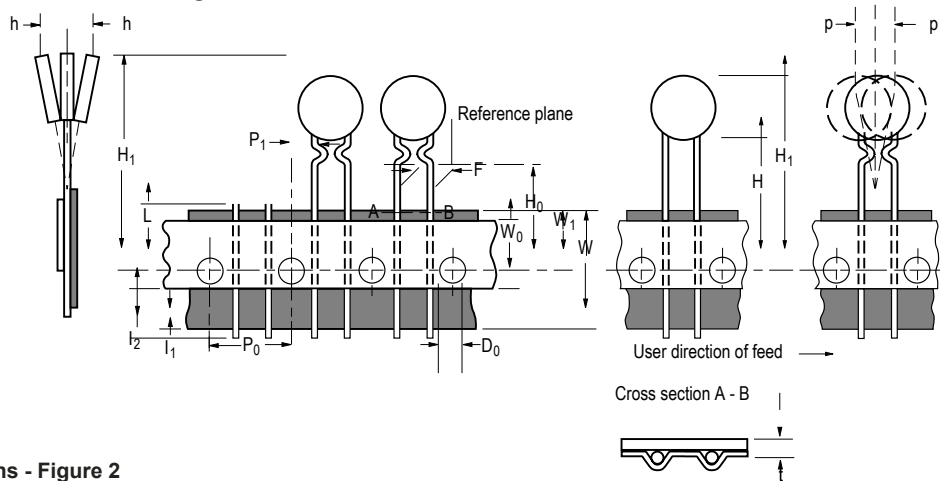
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Customers should verify actual device performance in their specific applications.

# PRCP-R Series Tape and Reel Specifications

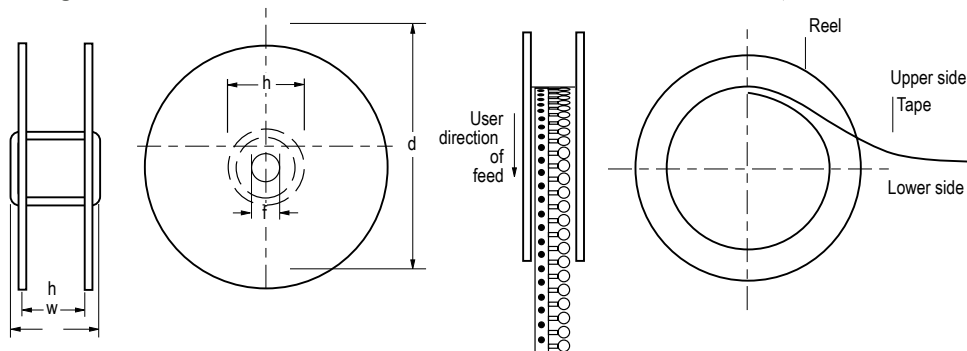
Dimension Description	IEC Mark	EIA Mark	Dimensions	
			Dimensions	Tolerance
Lead spacing	F	F	$\frac{5.08}{(0.2)}$	$\frac{\pm 0.2}{(\pm 0.008)}$
Reel width	w	W <sub>2</sub>	$\frac{56}{(2.205)}$	max.
Reel diameter	d	a	$\frac{370}{(14.57)}$	max.
Space between flanges less device	W <sub>1</sub>	h	$\frac{4.75}{(0.187)}$	$\frac{\pm 3.25}{(\pm 0.128)}$
Arbor hole diameter	f	c	$\frac{26}{(1.024)}$	$\frac{\pm 12.0}{(\pm 0.472)}$
Core diameter	h	n	$\frac{80}{(3.15)}$	max.
Box			$\frac{62}{(2.44)}$ $\frac{355}{(14.0)}$ $\frac{345}{(13.6)}$	nom.
Consecutive missing places			3	max.
Empty places per reel			Not specified	

DIMENSIONS =  $\frac{\text{MM}}{\text{(INCHES)}}$

**Taped Component Dimensions - Figure 1**



**Reel Dimensions - Figure 2**



DIMENSIONS =  $\frac{\text{MM}}{\text{(INCHES)}}$

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