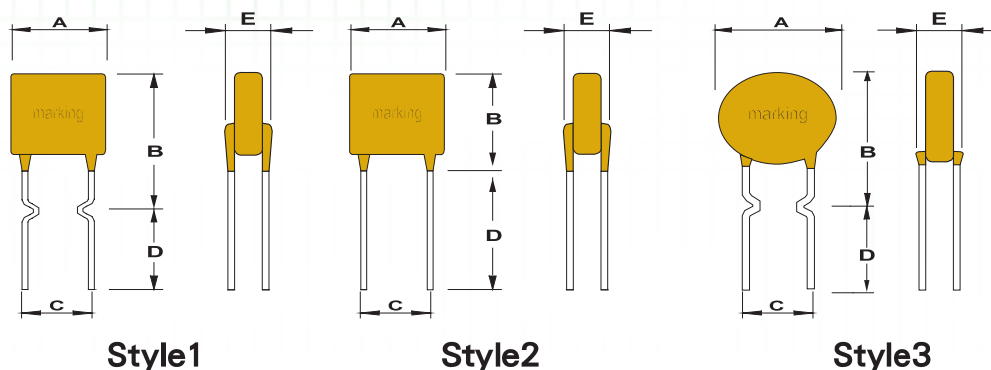


## Construction and Dimension



Unit:mm

Model	A Max.	B Max.	C		D Min	E Max	Physical characteristics		
			Nom.	Tol. $\pm$			Style	Lead	Material
RDL16V070	7.0	11.2	5.1	0.7	7.6	3.1	1	0.51 dia.	Sn/CuFe
RDL16V075	7.0	11.5	5.1	0.7	7.6	3.1	3	0.51 dia.	Sn/CuFe
RDL16V090	7.4	12.2	5.1	0.7	7.6	3.1	1	0.51 dia.	Sn/CuFe
RDL16V110	7.4	14.2	5.1	0.7	7.6	3.1	1	0.51 dia.	Sn/CuFe
RDL16V120	7.4	13.4	5.1	0.7	7.6	3.1	3	0.51 dia.	Sn/CuFe
RDL16V135	7.4	14.2	5.1	0.7	7.6	3.1	1	0.51 dia.	Sn/CuFe
RDL16V155	7.9	13.7	5.1	0.7	7.6	3.1	3	0.51 dia.	Sn/CuFe
RDL16V160	7.4	14.2	5.1	0.7	7.6	3.1	1	0.51 dia.	Sn/CuFe
RDL16V185	7.4	14.2	5.1	0.7	7.6	3.1	1	0.51 dia.	Sn/CuFe
RDL16V250	8.9	13.5	5.1	0.7	7.6	3.1	1	0.51 dia.	Sn/CuFe
RDL16V300	8.5	11.0	5.1	0.7	7.6	3.1	2	0.81 dia.	Sn/Cu
RDL16V400	8.9	12.8	5.1	0.7	7.6	3.1	2	0.81 dia.	Sn/Cu
RDL16V450	8.9	13.2	5.1	0.7	7.6	3.1	2	0.81 dia.	Sn/Cu
RDL16V500	10.4	13.3	5.1	0.7	7.6	3.1	2	0.81 dia.	Sn/Cu
RDL16V550	10.4	14.3	5.1	0.7	7.6	3.1	2	0.81 dia.	Sn/Cu
RDL16V600	11.4	17.1	5.1	0.7	7.6	3.1	2	0.81 dia.	Sn/Cu
RDL16V650	11.4	19.7	5.1	0.7	7.6	3.1	2	0.81 dia.	Sn/Cu
RDL16V700	14.0	19.7	5.1	0.7	7.6	3.1	2	0.81 dia.	Sn/Cu
RDL16V750	14.0	19.9	5.1	0.7	7.6	3.1	2	0.81 dia.	Sn/Cu
RDL16V800	14.0	20.9	5.1	0.7	7.6	3.1	2	0.81 dia.	Sn/Cu
RDL16V900	14.0	21.9	5.1	0.7	7.6	3.1	2	0.81 dia.	Sn/Cu
RDL16V1000	16.5	24.9	5.1	0.7	7.6	3.1	2	0.81 dia.	Sn/Cu
RDL16V1100	17.0	25.0	5.1	0.7	7.6	3.1	2	0.81 dia.	Sn/Cu
RDL16V1200	19.0	27.2	10.2	0.7	7.6	3.1	2	1.0 dia.	Sn/Cu
RDL16V1300	21.6	29.2	10.2	0.7	7.6	3.1	2	1.0 dia.	Sn/Cu
RDL16V1400	22.5	27.7	10.2	0.7	7.6	3.1	2	1.0 dia.	Sn/Cu
RDL16V1500	24.1	28.7	10.2	0.7	7.6	3.1	2	1.0 dia.	Sn/Cu

## PPTC Cross Reference List 參考廠牌對照表

Type Series	Protectronics Model No.	Raychem Model No.	Bourns Model No.
STP Series	STP120	SRP120	MF-S120
	STP120S	SRP120S	MF-S120S
	STP175	SRP175	MF-S175
	STP175S	SRP175S	MF-S175S
	STP200	SRP200	MF-S200
	STP350	SRP350	MF-S350
SLR Series	STP420	SRP420	MF-S420
	SLR190	LR4-190	MF-LR190
	SLR190S	LR4-190S	MF-LR190S
	SLR260	LR4-260	-
	SLR260S	LR4-260S	-
	SLR380	LR4-380	-
	SLR450	LR4-450	MF-LR450
	SLR550	LR4-550	MF-LR550
SVT Series	SLR600	LR4-600	MF-LR600
	SLR730	LR4-730	MF-LR730
	SVT170	VTP170	-
	SVT175	VTP175	-
	SVT200	VTP200G	-
	SVT210	VTP210H	-
	SVT210S	VTP210S	-
	SVT240	VTP240	-

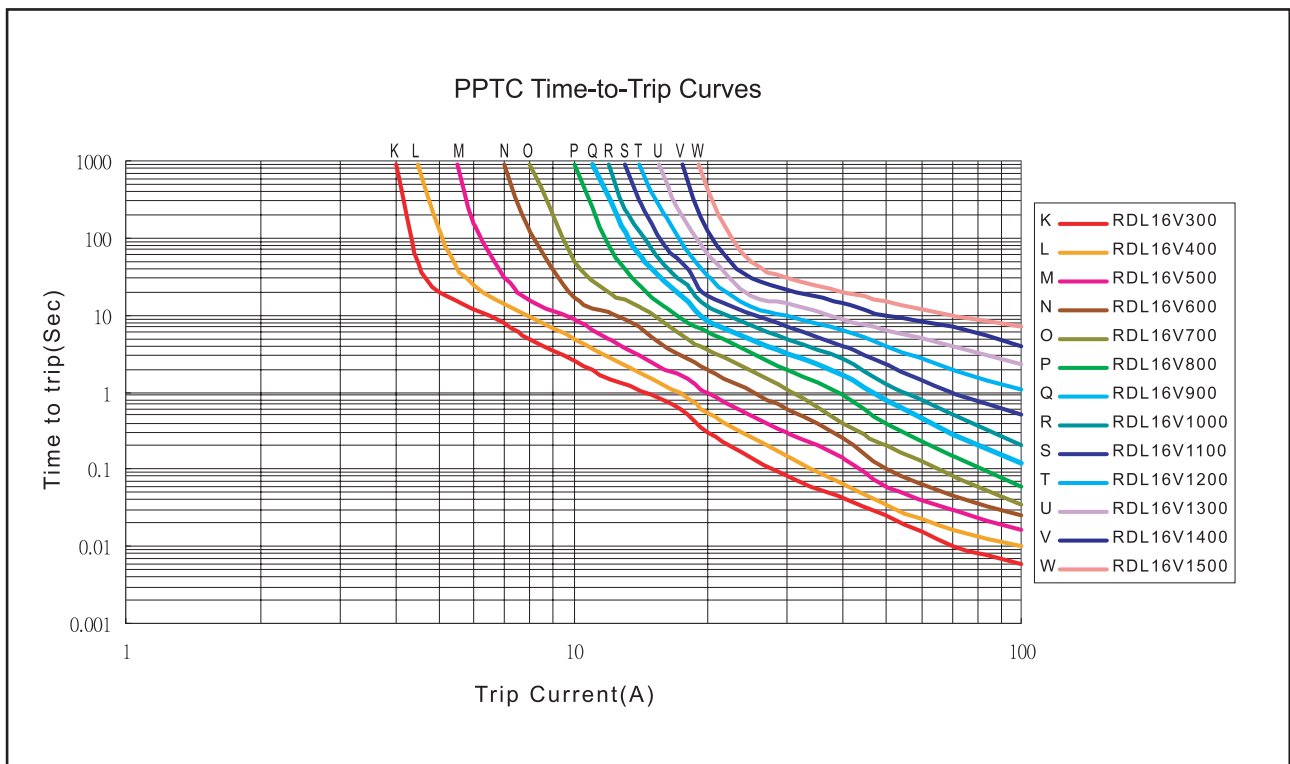
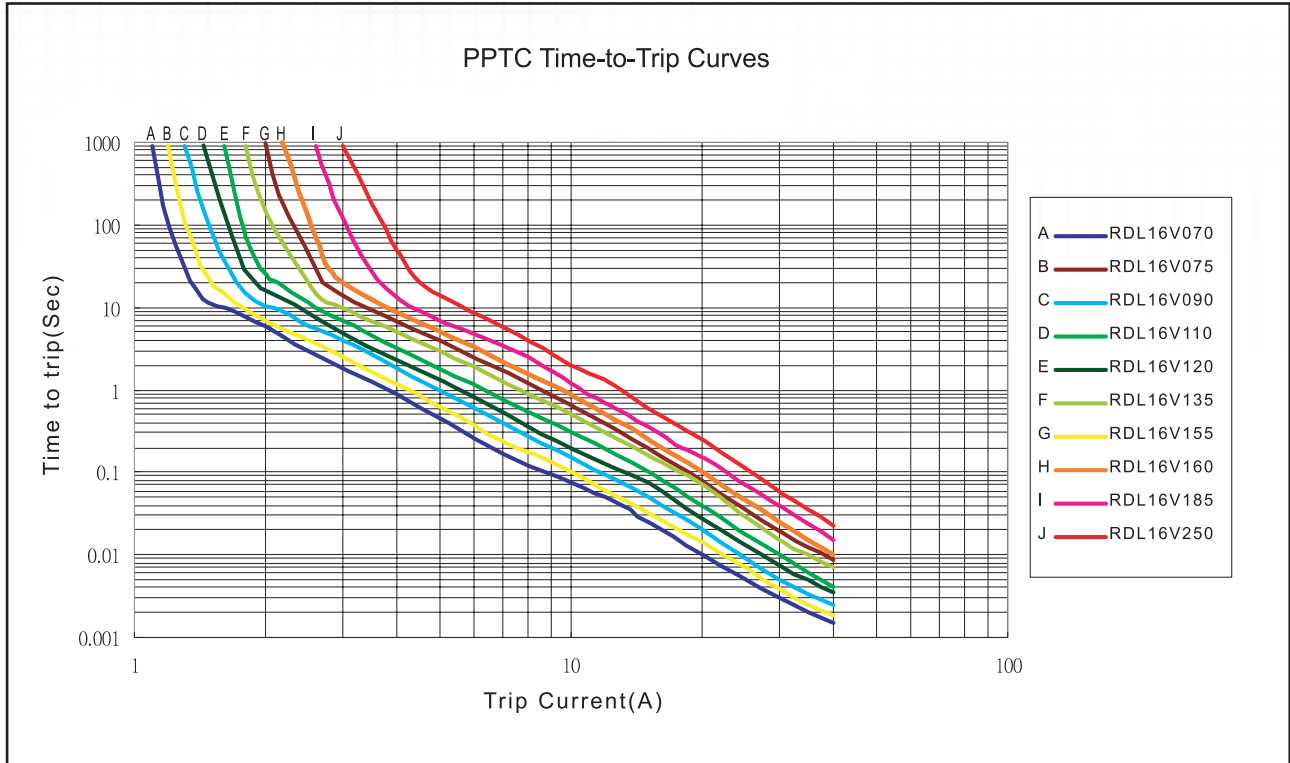
Type Series	Protectronics Model No.	Raychem Model No.	Bourns Model No.
2920SMD Series	2920SMD030	SMD030	MF-SM030
	2920SMD050	SMD050	MF-SM050
	2920SMD075	SMD075	MF-SM075
	2920SMD100	SMD100/33	MF-SM100/33
	2920SMD125	SMD125	MF-SM125
	2920SMD150/15	SMD150	MF-SM150
	2920SMD150/33	SMD150/33	MF-SM150/33
	2920SMD185	SMD185	MF-SM185/33
	2920SMD200/15	SMD200	MF-SM200
	2920SMD200/24	-	-
	2920SMD250	SMD250	MF-SM250
	2920SMD260/6	SMD260	MF-SM260
	2920SMD260/15	-	-
	2920SMD300/6	SMD300	-
2920SMD300/15	-	-	
1812SMD Series	1812SMD010	-	MF-MSMD010
	1812SMD014	miniSMDC014	MF-MSMD014
	1812SMD020	miniSMDC020	MF-MSMD020
	1812SMD035	-	MF-MSMD030
	1812SMD050	miniSMDC050	MF-MSMD050
	1812SMD075	miniSMDC075	MF-MSMD075
	1812SMD110	miniSMDC110	MF-MSMD110
	1812SMD110/16	miniSMDM110/16	MF-MSMD110/16
	1812SMD125	miniSMDC125	MF-MSMD125
	1812SMD150	miniSMDC150	MF-MSMD150
	1812SMD160	miniSMDC160	MF-MSMD160
	1812SMD200	miniSMDC200	MF-MSMD200
	1812SMD260	miniSMDC260	MF-MSMD260
	1206SMD Series	1206SMD035	-
1206SMD050		nanoSMDM050	-
1206SMD075		nanoSMDM075	-
1206SMD100		nanoSMDM100	-
1206SMD110		nanoSMDC110	-
1206SMD150		nanoSMDC150	-
0805SMD Series	0805SMD010	-	-
	0805SMD020	-	-
	0805SMD035	-	-
	0805SMD050	-	-
	0805SMD075	-	-

## Electrical Characteristics at 23°C :

Model	V <sub>max</sub> (Volts)	I <sub>max</sub> (Amps)	I <sub>hold</sub> (Amps)	I <sub>trip</sub> (Amps)	R <sub>min</sub> ( Ω )	R <sub>max</sub> ( Ω )	R <sub>1 max</sub> ( Ω )	P <sub>(d)</sub> (Watts)
RDL16V070	16	40	0.70	1.40	0.130	0.300	0.500	1.2
RDL16V075	16	40	0.75	1.50	0.090	0.200	0.400	1.2
RDL16V090	16	40	0.90	1.80	0.070	0.130	0.300	1.4
RDL16V110	16	40	1.10	2.20	0.050	0.120	0.200	1.6
RDL16V120	16	40	1.20	2.40	0.040	0.110	0.170	1.6
RDL16V135	16	40	1.35	2.70	0.040	0.090	0.150	1.6
RDL16V155	16	40	1.55	3.10	0.030	0.080	0.140	1.8
RDL16V160	16	40	1.60	3.20	0.030	0.080	0.140	1.8
RDL16V185	16	40	1.85	3.70	0.025	0.070	0.130	2.0
RDL16V250	16	40	2.50	5.00	0.020	0.050	0.100	2.0
RDL16V300	16	100	3.00	6.00	0.020	0.050	0.100	2.3
RDL16V400	16	100	4.00	8.00	0.013	0.030	0.075	2.4
RDL16V450	16	100	4.50	9.00	0.010	0.030	0.065	2.4
RDL16V500	16	100	5.00	10.00	0.010	0.025	0.050	2.6
RDL16V550	16	100	5.50	11.00	0.008	0.020	0.035	2.6
RDL16V600	16	100	6.00	12.00	0.006	0.018	0.030	2.8
RDL16V650	16	100	6.50	13.00	0.006	0.015	0.026	2.8
RDL16V700	16	100	7.00	14.00	0.006	0.013	0.022	3.0
RDL16V750	16	100	7.50	15.00	0.005	0.012	0.020	3.0
RDL16V800	16	100	8.00	16.00	0.005	0.012	0.020	3.2
RDL16V900	16	100	9.00	18.00	0.004	0.009	0.015	3.3
RDL16V1000	16	100	10.00	20.00	0.003	0.008	0.015	3.5
RDL16V1100	16	100	11.00	22.00	0.003	0.008	0.013	3.7
RDL16V1200	16	100	12.00	24.00	0.003	0.007	0.010	4.2
RDL16V1300	16	100	13.00	26.00	0.002	0.006	0.010	4.6
RDL16V1400	16	100	14.00	28.00	0.002	0.006	0.0085	4.6
RDL16V1500	16	100	15.00	30.00	0.002	0.006	0.0085	4.6

\* Definition of electrical characteristics refer to page 6.

## Typical Time to Trip Curves at 23°C :



## Thermal Derating Chart

Unit:Amps

TEMP(°C)	-40	-20	0	23	40	50	60	70	85
RDL16V070	0.90	0.84	0.77	0.70	0.56	0.50	0.45	0.38	0.31
RDL16V075	1.10	0.98	0.87	0.75	0.63	0.55	0.50	0.45	0.38
RDL16V090	1.40	1.25	1.15	0.90	0.75	0.65	0.57	0.50	0.38
RDL16V110	1.60	1.45	1.30	1.10	0.95	0.85	0.75	0.70	0.55
RDL16V120	1.70	1.55	1.38	1.20	1.00	0.87	0.78	0.72	0.63
RDL16V135	1.90	1.78	1.55	1.35	1.10	0.99	0.91	0.79	0.67
RDL16V155	2.13	1.91	1.75	1.55	1.28	1.16	1.05	0.97	0.85
RDL16V160	2.22	2.02	1.83	1.60	1.27	1.21	1.02	0.92	0.81
RDL16V185	2.55	2.34	2.10	1.85	1.52	1.40	1.15	1.05	0.83
RDL16V250	3.45	3.05	2.75	2.50	1.95	1.85	1.65	1.45	1.25
RDL16V300	4.20	3.75	3.40	3.00	2.42	2.23	1.94	1.75	1.41
RDL16V400	5.50	4.90	4.40	4.00	3.10	2.95	2.65	2.30	1.90
RDL16V450	6.20	5.65	5.17	4.50	3.55	3.25	2.98	2.75	2.23
RDL16V500	6.95	6.20	5.55	5.00	4.05	3.70	3.35	3.05	2.60
RDL16V550	7.65	6.85	6.10	5.50	4.35	3.97	3.58	3.12	2.72
RDL16V600	8.40	7.60	6.70	6.00	4.60	4.30	3.80	3.35	2.80
RDL16V650	8.97	8.13	7.25	6.50	5.03	4.68	4.05	3.65	3.03
RDL16V700	9.81	8.70	7.70	7.00	5.50	5.00	4.35	3.95	3.30
RDL16V750	10.15	8.95	8.35	7.50	5.95	5.35	4.75	4.15	3.55
RDL16V800	10.50	9.25	8.75	8.00	6.30	5.70	4.95	4.40	3.75
RDL16V900	13.00	11.45	10.10	9.00	7.05	6.45	5.70	4.90	4.15
RDL16V1000	14.05	12.25	11.15	10.00	7.95	7.15	6.45	5.65	4.75
RDL16V1100	15.00	13.35	12.50	11.00	9.00	8.00	7.15	6.40	5.20
RDL16V1200	16.25	14.85	13.75	12.00	9.65	8.55	7.65	6.85	5.75
RDL16V1300	17.55	16.30	14.65	13.00	10.40	9.15	8.05	7.15	6.10
RDL16V1400	18.85	17.45	15.35	14.00	11.05	9.95	8.75	7.75	6.75
RDL16V1500	20.25	18.75	17.00	15.00	12.25	10.95	9.55	8.53	7.35