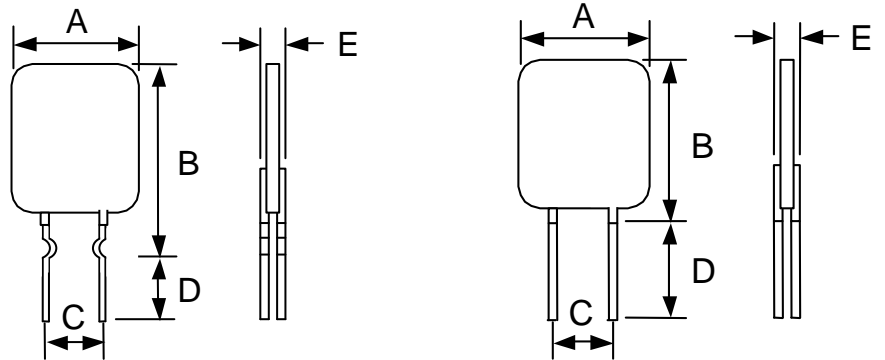
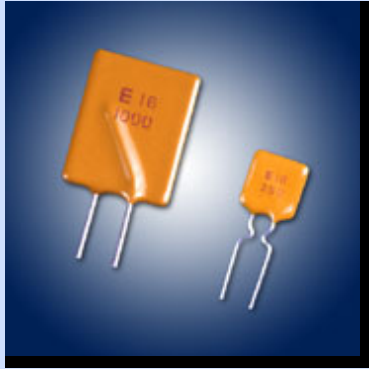


JPR Series

Polymeric PTC Fuses – Radial Type

TRIGON
COMPONENTS



Style 1

Style 2

FEATURES

- Radial thru-hole device
- Epoxy coating
- Voltage range: 16V~60V
- Operation Current Range: 0.1A~14A
- Temperature Range: -40°C~85°C
- RoHS Compliant

Dimension (mm) for 16V Rating

Unit: mm

Model	A Max	B Max	C		D Min.	E Max	Physical characteristic		
			Min	Max			Style	Terminal	Material
JPR16V090	7.4	12.2	4.3	5.8	7.6	3.0	1	0.51 dia.	Sn/CuFe
JPR16V110	7.4	14.2	4.3	5.8	7.6	3.0	1	0.51 dia.	Sn/CuFe
JPR16V135	8.9	13.5	4.3	5.8	7.6	3.0	1	0.51 dia.	Sn/CuFe
JPR16V160	8.9	15.2	4.3	5.8	7.6	3.0	1	0.51 dia.	Sn/CuFe
JPR16V185	10.2	15.7	4.3	5.8	7.6	3.0	1	0.51 dia.	Sn/CuFe
JPR16V250	11.4	18.3	4.3	5.8	7.6	3.0	1	0.51 dia.	Sn/CuFe
JPR16V300	7.1	11.0	4.3	5.8	7.6	3.0	2	0.81 dia.	Sn/Cu
JPR16V400	8.9	12.8	4.3	5.8	7.6	3.0	2	0.81 dia.	Sn/Cu
JPR16V500	10.4	14.3	4.3	5.8	7.6	3.0	2	0.81 dia.	Sn/Cu
JPR16V600	10.7	17.1	4.3	5.8	7.6	3.0	2	0.81 dia.	Sn/Cu
JPR16V700	11.2	19.7	4.3	5.8	7.6	3.0	2	0.81 dia.	Sn/Cu
JPR16V800	12.7	20.9	4.3	5.8	7.6	3.0	2	0.81 dia.	Sn/Cu
JPR16V900	14.0	21.7	4.3	5.8	7.6	3.0	2	0.81 dia.	Sn/Cu
JPR16V1000	16.5	25.2	4.3	5.8	7.6	3.0	2	0.81 dia.	Sn/Cu
JPR16V1100	17.5	26.0	4.3	5.8	7.6	3.0	2	0.81 dia.	Sn/Cu
JPR16V1200	17.5	28.0	9.4	10.9	7.6	3.5	2	1.00 dia.	Sn/Cu
JPR16V1400	23.5	27.9	9.4	10.9	7.6	3.5	2	1.00 dia.	Sn/Cu

ORDERING CODE

JPR 60V 050
(1) (2) (3)

(1) Series Name

(2) Rated Voltage Code

(3) Rated Current Code

※Please refer to complete Ordering Code (JPR-Ord) for more ordering options.

Thermistor

JPR Series

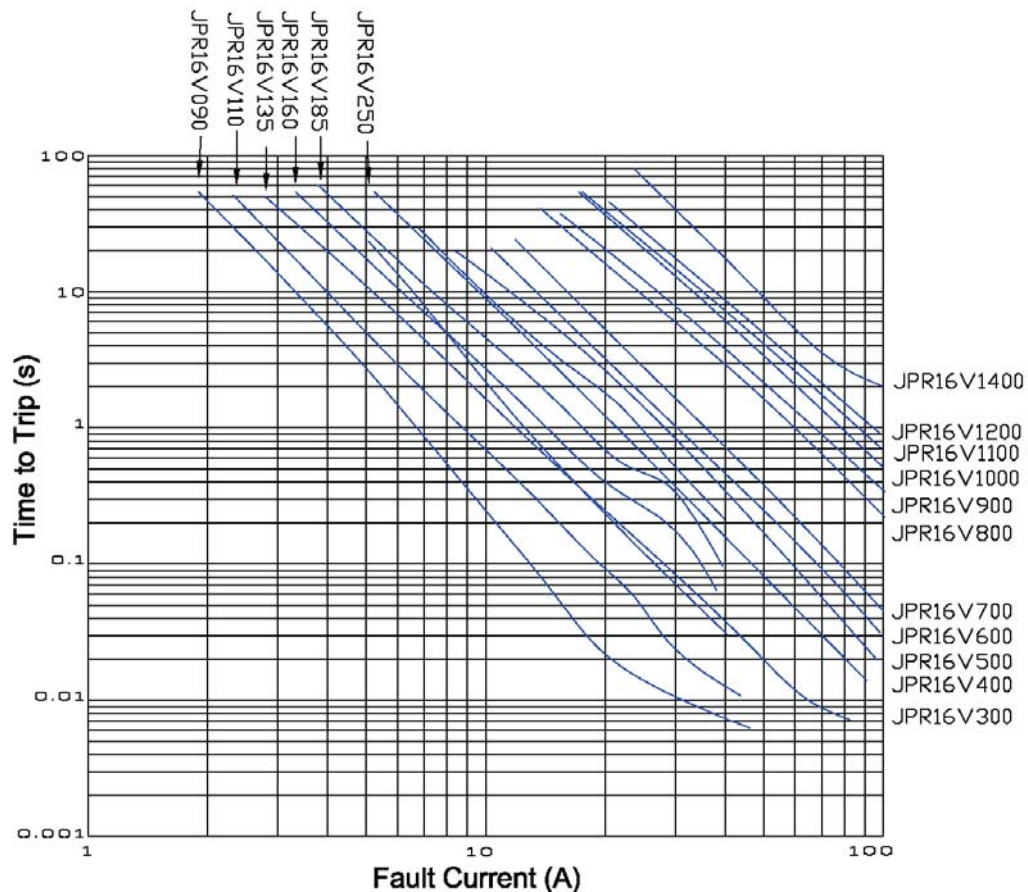
Polymeric PTC Fuses – Radial Type (16V Rating)

TRIGON
COMPONENTS

Electrical Characteristic at 20°C

Model	V _{max} (Volts)	I _{max} (Amps)	I _{hold} (Amps)	I _{trip} (Amps)	Max. Time-to-trip		R _{min} (Ω)	R _{max} (Ω)	R1 _{max} (Ω)	P _(d) (W)
					(Amps)	(S)				
JPR16V090	16	40	0.90	1.8	8.0	1.2	0.070	0.120	0.180	0.6
JPR16V110	16	40	1.10	2.2	8.0	2.3	0.050	0.095	0.140	0.7
JPR16V135	16	40	1.35	2.7	8.0	4.5	0.040	0.074	0.115	0.8
JPR16V160	16	40	1.60	3.2	8.0	9.0	0.030	0.061	0.110	0.9
JPR16V185	16	40	1.85	3.7	8.0	10.0	0.030	0.051	0.090	1.0
JPR16V250	16	40	2.50	5.0	8.0	40.0	0.020	0.036	0.060	1.2
JPR16V300	16	100	3.00	5.1	15.0	1.0	0.038	0.0645	0.0975	2.3
JPR16V400	16	100	4.00	6.8	20.0	1.7	0.021	0.0385	0.0600	2.4
JPR16V500	16	100	5.00	8.5	25.0	2.0	0.015	0.0230	0.0340	2.6
JPR16V600	16	100	6.00	10.2	30.0	3.3	0.010	0.0185	0.0280	2.8
JPR16V700	16	100	7.00	11.9	35.0	3.5	0.0077	0.0130	0.0200	3.0
JPR16V800	16	100	8.00	13.6	40.0	5.0	0.0056	0.0110	0.0175	3.0
JPR16V900	16	100	9.00	15.3	45.0	5.5	0.0047	0.0092	0.0135	3.3
JPR16V1000	16	100	10.00	17.0	50.0	6.0	0.0040	0.0071	0.0102	3.6
JPR16V1100	16	100	11.00	18.7	55.0	7.0	0.0037	0.0062	0.0089	3.7
JPR16V1200	16	100	12.00	20.4	60.0	7.5	0.0033	0.00595	0.0086	4.2
JPR16V1400	16	100	14.00	23.8	70.0	9.0	0.0026	0.00445	0.0064	4.6

Typical Time to Trip curves at 20°C



Thermistor

JPR Series

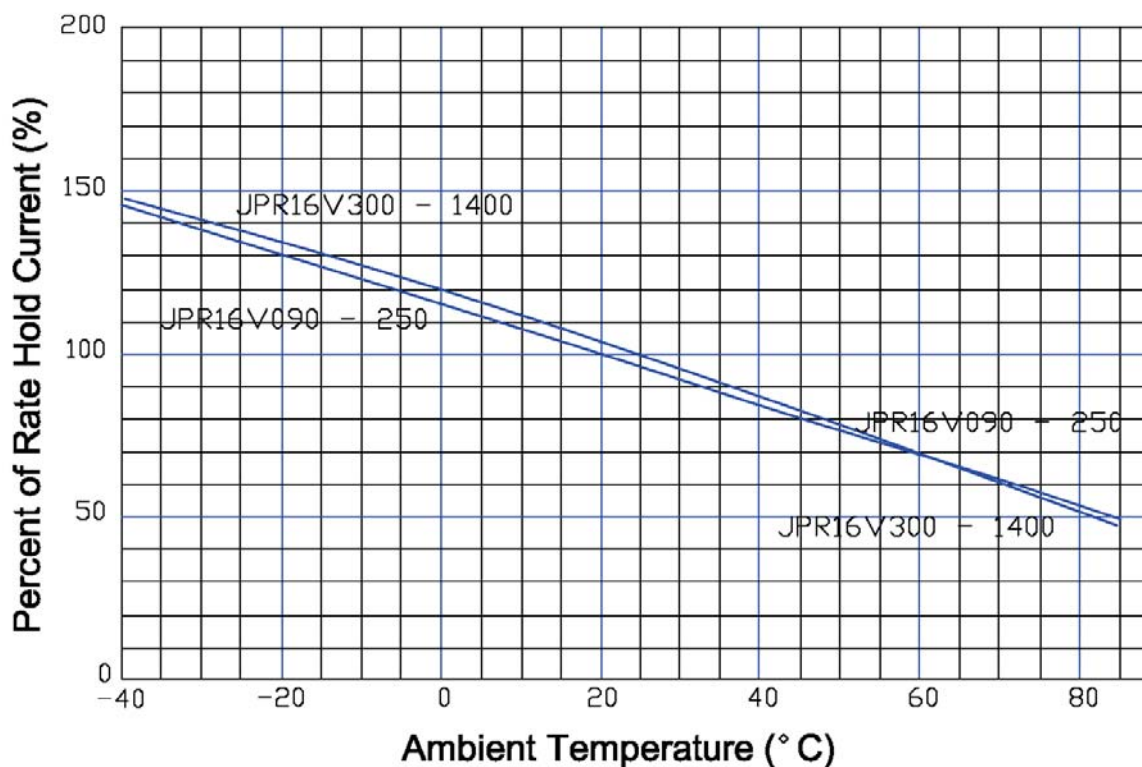
Polymeric PTC Fuses – Radial Type (16V Rating)

TRIGON
COMPONENTS

Thermal Derating Chart

Unit: Amps

TEMP(°C)	-40	-20	0	20	40	60	85
JPR16V090	1.31	1.17	1.04	0.90	0.87	0.75	0.61
JPR16V110	1.60	1.43	1.27	1.10	1.07	0.91	0.75
JPR16V135	1.96	1.76	1.55	1.35	1.31	1.12	0.92
JPR16V160	2.32	2.08	1.84	1.60	1.55	1.33	1.09
JPR16V185	2.68	2.41	2.13	1.85	1.79	1.54	1.26
JPR16V250	3.63	3.25	2.88	2.50	2.43	2.08	1.70
JPR16V300	4.4	4.0	3.6	3.1	3.0	2.1	1.4
JPR16V400	5.9	5.3	4.8	4.1	4.0	2.8	1.9
JPR16V500	7.3	6.6	6.0	5.2	5.0	3.6	2.4
JPR16V600	8.8	8.0	7.2	6.2	6.0	4.2	2.8
JPR16V700	10.3	9.3	8.4	7.3	7.0	5.0	3.3
JPR16V800	11.7	10.7	9.6	8.3	8.0	5.6	3.7
JPR16V900	13.2	11.9	10.7	9.4	9.0	6.4	4.2
JPR16V1000	14.7	13.3	12.0	10.3	10.0	7.0	4.7
JPR16V1100	16.1	14.6	13.1	11.5	11.0	7.8	5.2
JPR16V1200	17.6	16.0	14.4	12.4	12.0	8.4	5.6
JPR16V1400	20.5	18.7	16.8	14.5	14.0	9.8	6.5



Thermistor

JPR Series

Polymeric PTC Fuses – Radial Type (30V Rating)

TRIGON
COMPONENTS

Dimension (mm)

Unit: mm

Model	A Max	B Max	C		D Min.	E Max	Physical characteristic		
			Min	Max			Style	Lead	Material
JPR30V090	7.4	12.2	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR30V110	7.4	14.2	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR30V135	8.9	13.5	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR30V160	8.9	15.2	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR30V185	10.2	15.7	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR30V250	11.4	18.3	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR30V300	11.4	16.5	4.3	5.8	7.6	3.0	2	0.81dia	Sn/Cu
JPR30V400	14.0	19.3	4.3	5.8	7.6	3.0	2	0.81dia	Sn/Cu
JPR30V500	14.0	24.1	9.4	10.9	7.6	3.0	2	0.81dia	Sn/Cu
JPR30V600	16.5	24.1	9.4	10.9	7.6	3.0	2	0.81dia	Sn/Cu
JPR30V700	19.1	25.9	9.4	10.9	7.6	3.0	2	0.81dia	Sn/Cu
JPR30V800	21.6	28.4	9.4	10.9	7.6	3.0	2	0.81dia	Sn/Cu
JPR30V900	24.1	29.0	9.4	10.9	7.6	3.0	2	0.81dia	Sn/Cu

Thermistor

JPR Series

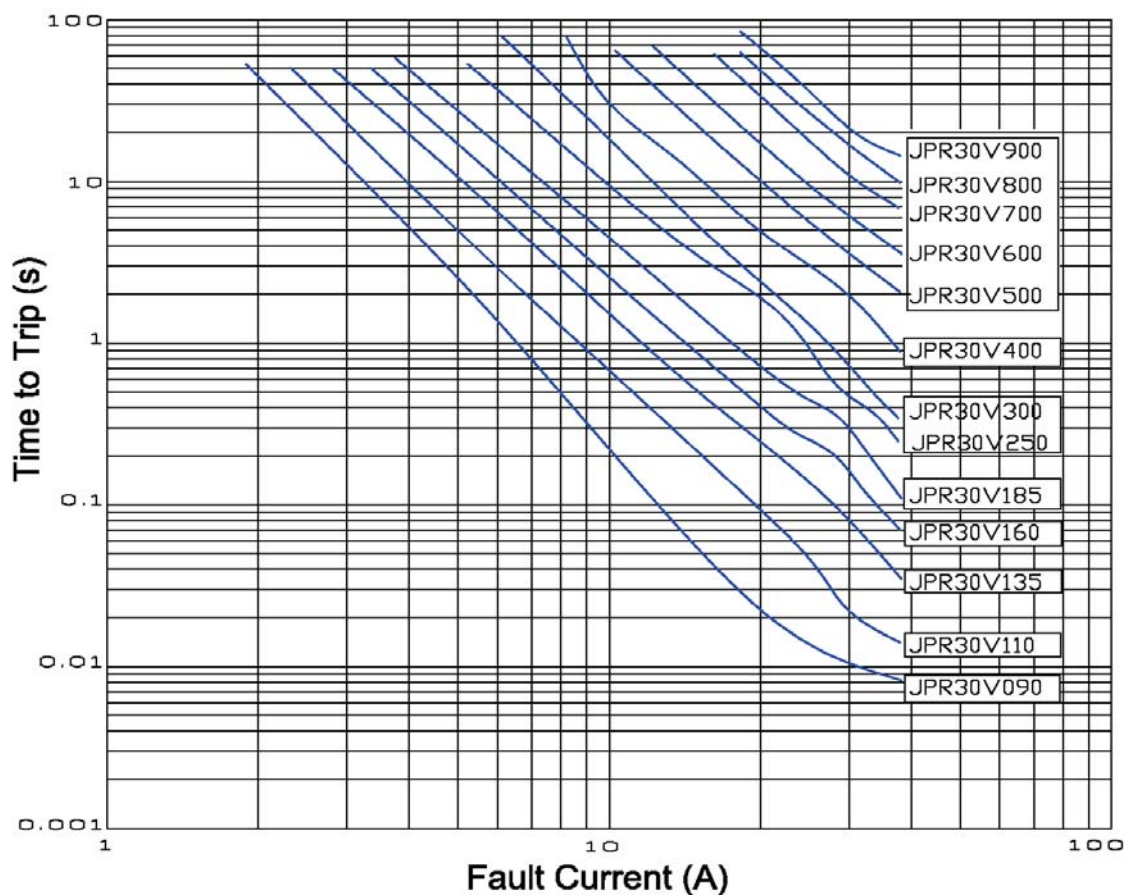
Polymeric PTC Fuses – Radial Type (30V Rating)

TRIGON
COMPONENTS

Electrical Characteristic at 20°C

Model	V _{max} (Volts)	I _{max} (Amps)	I _{hold} (Amps)	I _{trip} (Amps)	Max. Time-to-trip		R _{min} (Ω)	R _{max} (Ω)	R1 _{max} (Ω)	P _(d) (Ω)
					(Amps)	(S)				
JPR30V090	30	40	0.90	1.8	4.5	5.9	0.070	0.120	0.22	0.6
JPR30V110	30	40	1.10	2.2	5.5	6.6	0.050	0.100	0.17	0.7
JPR30V135	30	40	1.35	2.7	6.75	7.3	0.040	0.080	0.13	0.8
JPR30V160	30	40	1.60	3.2	8.5	8.0	0.030	0.070	0.11	0.9
JPR30V185	30	40	1.85	3.7	9.25	8.7	0.030	0.060	0.09	1.0
JPR30V250	30	40	2.50	5.0	12.5	10.3	0.020	0.040	0.07	1.2
JPR30V300	30	40	3.0	6.0	15.0	10.8	0.020	0.050	0.08	2.0
JPR30V400	30	40	4.0	8.0	20.0	12.7	0.010	0.030	0.05	2.5
JPR30V500	30	40	5.0	10.0	25.0	14.5	0.010	0.030	0.05	3.0
JPR30V600	30	40	6.0	12.0	30.0	16.0	0.005	0.020	0.04	3.5
JPR30V700	30	40	7.0	14.0	35.0	17.5	0.005	0.020	0.03	3.8
JPR30V800	30	40	8.0	16.0	40.0	18.8	0.005	0.013	0.02	4.0
JPR30V900	30	40	9.0	18.0	45.0	20.0	0.005	0.010	0.02	4.2

Typical Time to Trip curves at 20°C



Thermistor

JPR Series

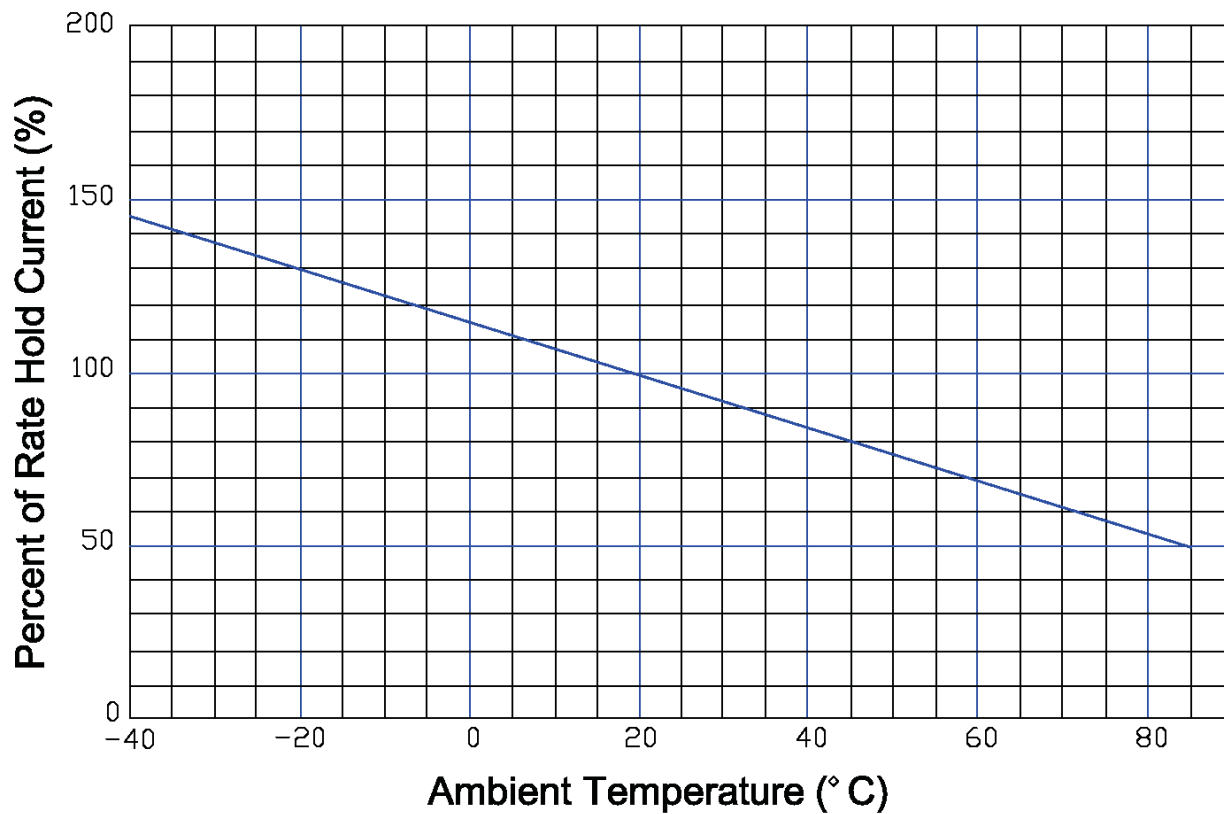
Polymeric PTC Fuses – Radial Type (30V Rating)

TRIGON
COMPONENTS

Thermal Derating Chart

Unit: Amps

TEMP(°C)	-40	-20	0	20	40	60	85
JPR30V090	1.31	1.17	1.04	0.90	0.75	0.61	0.47
JPR30V110	1.60	1.43	1.27	1.10	0.91	0.75	0.57
JPR30V135	1.96	1.76	1.55	1.35	1.12	0.92	0.70
JPR30V160	2.32	2.08	1.84	1.60	1.33	1.09	0.83
JPR30V185	2.68	2.41	2.13	1.85	1.54	1.26	0.96
JPR30V250	3.63	3.25	2.88	2.50	2.08	1.70	1.30
JPR30V300	4.35	3.90	3.45	3.00	2.49	2.04	1.56
JPR30V400	5.80	5.20	4.60	4.00	3.32	2.72	2.08
JPR30V500	7.25	6.50	5.75	5.00	4.15	3.40	2.60
JPR30V600	8.70	7.80	6.90	6.00	4.98	4.08	3.12
JPR30V700	10.15	9.10	8.05	7.00	5.81	4.76	3.64
JPR30V800	11.60	10.40	9.20	8.00	6.64	5.44	4.16
JPR30V900	13.05	11.70	10.35	9.00	7.47	6.12	4.68



Thermistor

JPR Series

Polymeric PTC Fuses – Radial Type (60V Rating)

TRIGON
COMPONENTS

Dimension (mm)

Unit: mm

Model	A Max	B Max	C		D Min.	E Max	Physical characteristic		
			Nom	Tol.			Style	Lead	Material
JPR60V010	7.4	11.6	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR60V017	7.4	12.7	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR60V020	7.4	11.7	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR60V025	7.4	12.7	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR60V030	7.4	12.7	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR60V040	7.6	13.5	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR60V050	7.9	13.7	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR60V065	9.4	14.5	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR60V075	10.2	15.2	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR60V090	11.2	15.8	4.3	5.8	7.6	3.0	1	0.51dia	Sn/CuFe
JPR60V110	12.8	17.5	4.3	5.8	7.6	3.0	2	0.81dia	Sn/Cu
JPR60V135	14.5	19.1	4.3	5.8	7.6	3.0	2	0.81dia	Sn/Cu
JPR60V160	16.3	20.8	4.3	5.8	7.6	3.0	2	0.81dia	Sn/Cu
JPR60V185	17.5	22.4	4.3	5.8	7.6	3.0	2	0.81dia	Sn/Cu
JPR60V250	20.8	25.4	9.4	10.9	7.6	3.0	2	0.81dia	Sn/Cu
JPR60V300	23.9	28.6	9.4	10.9	7.6	3.0	2	0.81dia	Sn/Cu
JPR60V375	27.2	31.8	9.4	10.9	7.6	3.0	2	0.81dia	Sn/Cu

Thermistor

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JPR Series

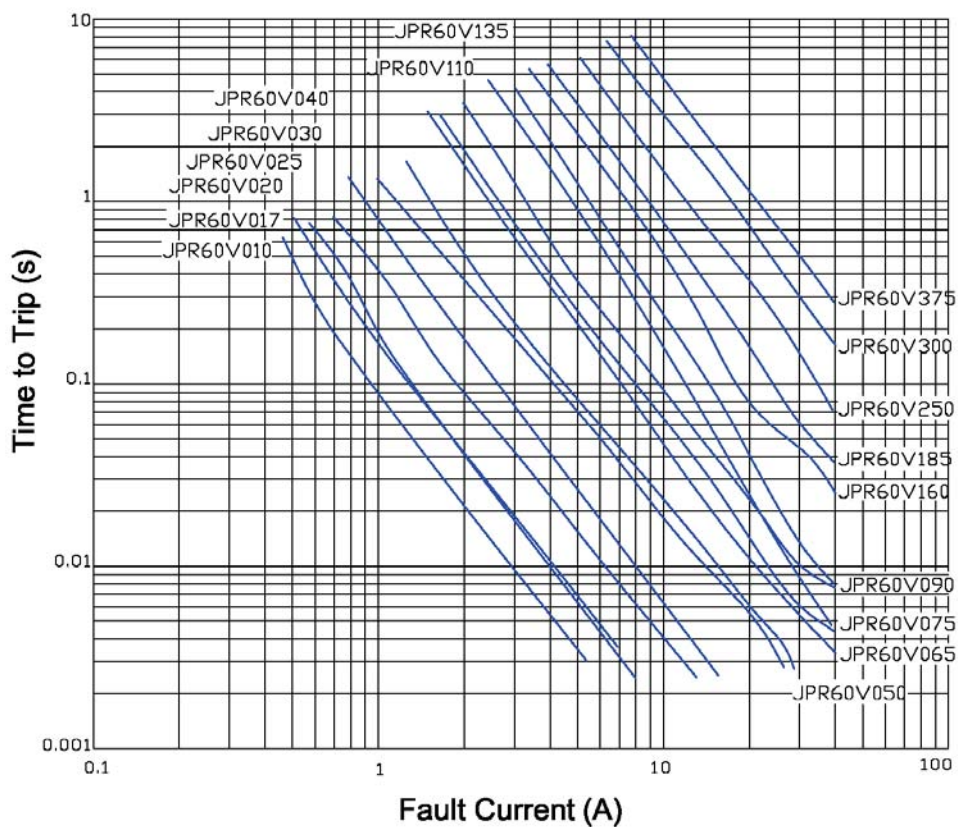
Polymeric PTC Fuses – Radial Type (60V Rating)

TRIGON
COMPONENTS

Electrical Characteristic at 20°C

Model	V _{max} (Volts)	I _{max} (Amps)	I _{hold} (Amps)	I _{trip} (Amps)	Max. Time-to-trip		R _{min} (Ω)	R _{max} (Ω)	R _{1 max} (Ω)	P _(d) (Ω)
					(Amps)	(S)				
JPR60V010	60	40	0.10	0.20	0.50	4.0	2.50	4.50	7.50	0.38
JPR60V017	60	40	0.17	0.34	0.85	3.0	3.30	5.21	8.00	0.48
JPR60V020	60	40	0.20	0.40	1.00	2.2	1.83	2.75	4.40	0.41
JPR60V025	60	40	0.25	0.50	1.25	2.5	1.25	1.95	3.00	0.45
JPR60V030	60	40	0.30	0.60	1.50	3.0	0.88	1.33	2.10	0.49
JPR60V040	60	40	0.40	0.80	2.00	3.8	0.55	0.86	1.29	0.56
JPR60V050	60	40	0.50	1.00	2.50	4.0	0.50	0.77	1.17	0.77
JPR60V065	60	40	0.65	1.30	3.25	5.3	0.31	0.48	0.72	0.88
JPR60V075	60	40	0.75	1.50	3.75	6.3	0.25	0.40	0.60	0.92
JPR60V090	60	40	0.90	1.80	4.50	7.2	0.20	0.31	0.47	0.99
JPR60V110	60	40	1.10	2.20	5.50	8.2	0.15	0.25	0.38	1.50
JPR60V135	60	40	1.35	2.70	6.75	9.6	0.12	0.19	0.30	1.70
JPR60V160	60	40	1.60	3.20	8.00	11.4	0.09	0.14	0.22	1.90
JPR60V185	60	40	1.85	3.70	9.25	12.6	0.08	0.12	0.19	2.10
JPR60V250	60	40	2.50	5.00	12.50	15.6	0.05	0.08	0.13	2.50
JPR60V300	60	40	3.00	6.00	15.00	19.8	0.04	0.06	0.10	2.80
JPR60V375	60	40	3.75	7.50	18.75	24.0	0.03	0.05	0.08	3.20

Typical Time to Trip curves at 20°C



Thermistor

JPR Series

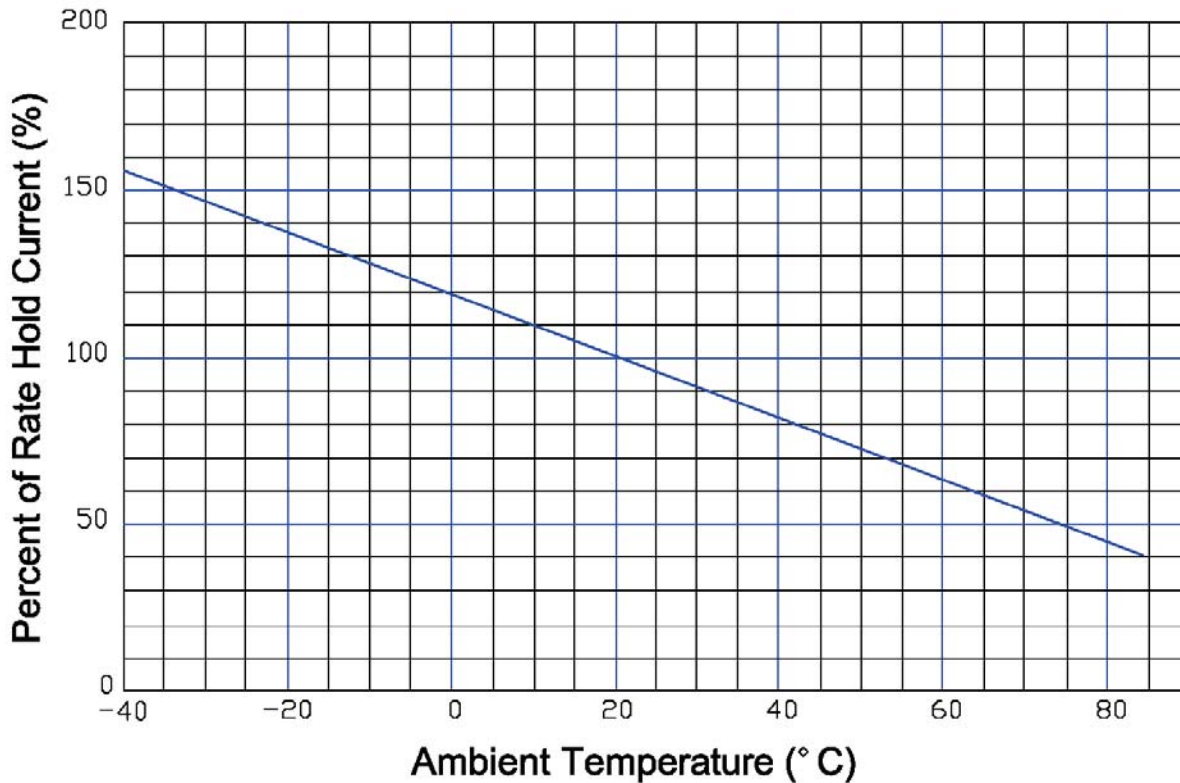
Polymeric PTC Fuses – Radial Type (60V Rating)

TRIGON
COMPONENTS

Thermal Derating Chart

Unit: Amps

TEMP(°C)	-40	-20	0	20	40	60	85
JPR60V010	0.16	0.14	0.11	0.10	0.08	0.067	0.04
JPR60V017	0.26	0.23	0.21	0.17	0.14	0.11	0.07
JPR60V020	0.31	0.27	0.24	0.20	0.16	0.13	0.08
JPR60V025	0.39	0.34	0.30	0.25	0.20	0.16	0.10
JPR60V030	0.47	0.41	0.36	0.30	0.24	0.20	0.12
JPR60V040	0.62	0.54	0.48	0.40	0.32	0.25	0.16
JPR60V050	0.78	0.68	0.60	0.50	0.41	0.32	0.20
JPR60V065	1.01	0.88	0.77	0.65	0.53	0.41	0.26
JPR60V075	1.16	1.02	0.89	0.75	0.61	0.47	0.30
JPR60V090	1.40	1.22	1.07	0.90	0.73	0.57	0.36
JPR60V110	1.71	1.50	1.31	1.10	0.89	0.69	0.44
JPR60V135	2.09	1.84	1.61	1.35	1.09	0.85	0.54
JPR60V160	2.48	2.18	1.90	1.60	1.30	1.01	0.64
JPR60V185	2.87	2.52	2.20	1.85	1.50	1.17	0.74
JPR60V250	3.88	3.40	2.98	2.50	2.03	1.58	1.00
JPR60V300	4.65	4.08	3.57	3.00	2.43	1.89	1.20
JPR60V375	5.81	5.10	4.46	3.75	3.04	2.36	1.50



Thermistor