

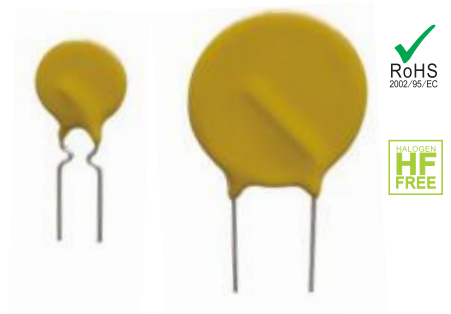
Radial Leaded | Round size

PX60 Series

Polymer Positive Temperature Coefficient Thermistor

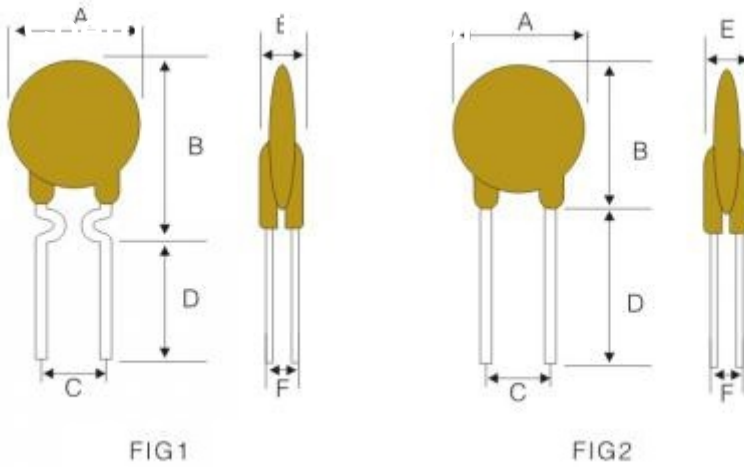
Features

- Low over-current protection
- Working current: 0.03A-3.75A
- Impulse voltage: 60V
- In line with RoHs certification, halogen-free packaging materials
- Tin-coated copper-clad steel wire: PX003-PX185
- Tinned wire: PX250-PX375



Electrical Performance

Product model	IH (A)	IT (A)	IMax (A)	VMax (V)	MaxTime Trip		PdMax (W)	RMin (Ω)	R1Max (Ω)
					(A)	(S)			
PX60-003	0.03	0.08	40	60	0.15	10.0	1.00	33.0	97.5
PX60-005	0.05	0.10	40	60	0.25	10.0	1.00	16.0	39.0
PX60-010	0.10	0.20	40	60	0.50	10.0	1.00	2.50	6.75
PX60-017	0.17	0.34	40	60	0.85	10.0	1.00	2.00	4.80
PX60-017R	0.17	0.34	40	60	0.85	10.0	1.00	3.30	7.82
PX60-020	0.20	0.40	40	60	1.00	10.0	1.00	1.50	4.26
PX60-025	0.25	0.50	40	60	1.25	10.0	1.00	1.00	2.93
PX60-030	0.30	0.60	40	60	1.50	10.0	1.00	0.76	2.04
PX60-040	0.40	0.80	40	60	2.00	10.0	1.00	0.52	1.29
PX60-050	0.50	1.00	40	60	2.50	10.0	1.00	0.41	1.16
PX60-065	0.65	1.30	40	60	3.25	10.0	1.00	0.27	0.72
PX60-075	0.75	1.50	40	60	3.75	10.0	1.00	0.18	0.60
PX60-090	0.90	1.80	40	60	4.5	10.0	1.00	0.14	0.465
PX60-110	1.10	2.20	40	60	5.5	10.0	1.51	0.14	0.375
PX60-135	1.35	2.70	40	60	6.75	10.0	1.71	0.12	0.285
PX60-160	1.60	3.20	40	60	8.0	11.4	1.98	0.09	0.210
PX60-185	1.85	3.70	40	60	9.25	12.6	2.10	0.08	0.180
PX60-250	2.50	5.00	40	60	12.5	15.6	2.50	0.05	0.120
PX60-300	3.00	6.00	40	60	15.0	19.8	2.80	0.04	0.090
PX60-375	3.75	7.50	40	60	18.75	24.0	3.20	0.03	0.075



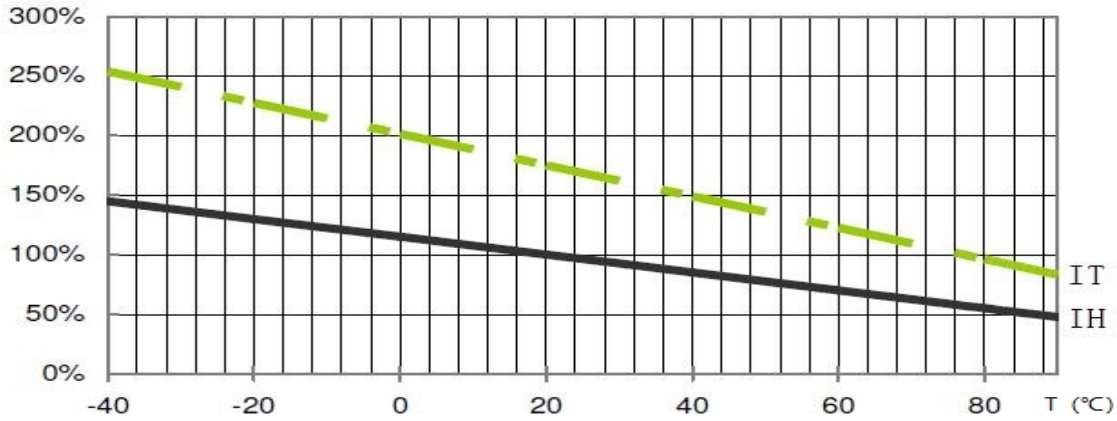
Size(mm)

Product model	A	B	C	D	E	F	Lead	FIG
	max	max	typ	min	max	typ	Φ	
PX60-003	7.4	13.0	5.1	7.6	3.1	0.9	0.50	1
PX60-005	7.4	13.0	5.1	7.6	3.1	0.9	0.50	1
PX60-010	7.4	13.0	5.1	7.6	3.1	0.9	0.50	1
PX60-017	7.4	13.0	5.1	7.6	3.1	0.9	0.50	1
PX60-017R	7.4	13.0	5.1	7.6	3.5	0.9	0.50	1
PX60-020	7.4	13.0	5.1	7.6	3.1	0.9	0.50	1
PX60-025	7.4	13.0	5.1	7.6	3.1	0.9	0.50	1
PX60-030	7.4	13.0	5.1	7.6	3.1	0.9	0.50	1
PX60-040	7.6	13.5	5.1	7.6	3.1	0.9	0.50	1
PX60-050	7.9	13.7	5.1	7.6	3.1	0.9	0.50	1
PX60-065	9.4	17.0	5.1	7.6	3.1	1.0	0.60	1
PX60-075	10.2	17.0	5.1	7.6	3.1	1.0	0.60	1
PX60-090	11.2	17.0	5.1	7.6	3.1	1.0	0.60	1
PX60-110	12.8	17.5	5.1	7.6	3.1	1.4	0.80	2
PX60-135	14.5	19.1	5.1	7.6	3.1	1.4	0.80	2
PX60-160	16.3	20.8	5.1	7.6	3.1	1.4	0.80	2
PX60-185	17.5	22.4	5.1	7.6	3.1	1.4	0.80	2
PX60-250	21.0	25.4	10.2	7.6	3.1	1.4	0.78	2
PX60-300	24.5	28.6	10.2	7.6	3.1	1.4	0.78	2
PX60-375	27.2	31.8	10.2	7.6	3.1	1.4	0.78	2

Thermal Derating Chart

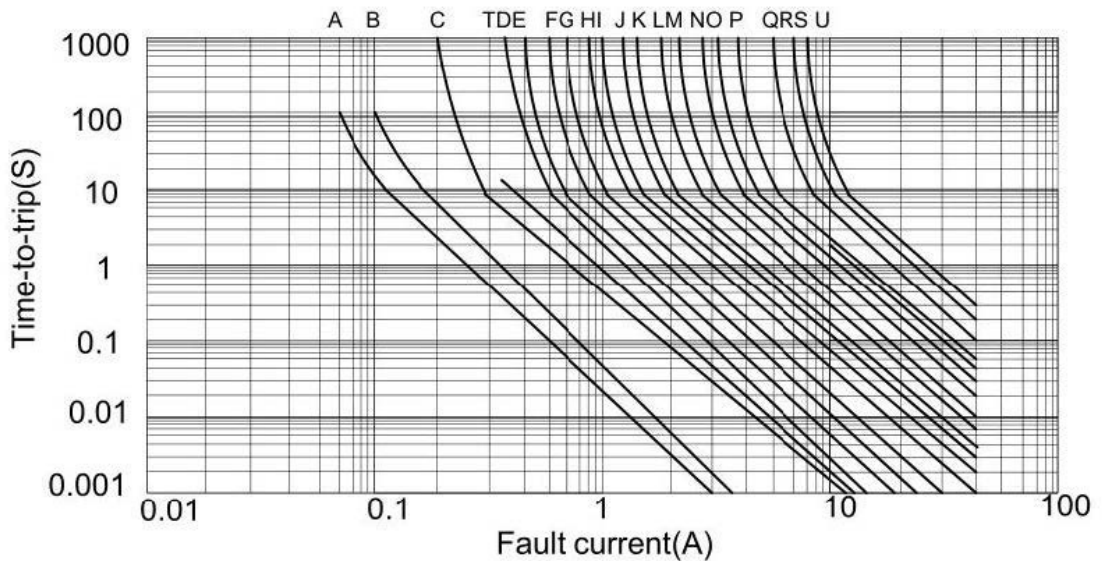
Part Number	Ambient Operating Temperature									
	-40°C	-20°C	0°C	23°C	30°C	40°C	50°C	60°C	70°C	85°C
PX60 Series	145%	130%	120%	100%	95%	88%	80%	71%	66%	56%

Current Reduction Diagram



Action Protection Time Curve(TA=25°C±2°C)

- A=PX60-003
- B=PX60-005
- C=PX60-010
- D=PX60-017
- E=PX60-020
- F=PX60-025
- G=PX60-030
- H=PX60-040
- I=PX60-050
- J=PX60-065
- K=PX60-075
- L=PX60-090
- M=PX60-110
- N=PX60-135
- O=PX60-160
- P=PX60-185
- Q=PX60-250
- R=PX60-300
- S=PX60-375
- T=PX60-017R



Regular Service Condition

1. Operating ambient temperature:-40°C~85°C.
2. Exceeding the applicable conditions of this product or other improper use may cause damage, or even cause electric breakdown or flame.
3. PPTC components are designed for occasional overflows in circuits and are not recommended for continuous and continuous overflows.
4. Avoid contact of PPTC components with chemical solvents. Prolonged contact will damage the performance of the components.