

■ For Overcurrent Protection

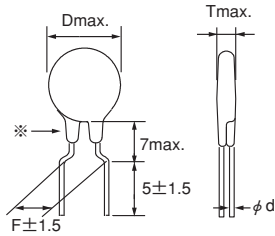


Fig. 1 (Formed Lead Type : Y)

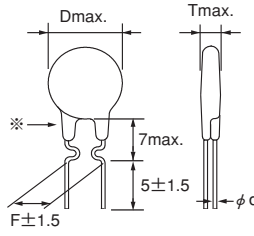


Fig. 2 (Formed Lead Type : U)

※ This would not affect the function, internal element may be exposed.

● 12V Class

Type No.	Initial Resistance (at 25°C)	Max. Operating Voltage (V)	Max. Inrush Current (A)	Current Characteristic (mA)		Dimensions (mm)				Fig
				Normal Current (60°C)	Limiting Current (-10°C)	D	T	F	d	
ZPC11CE2R2K	2.2 Ω ± 20%	16	2.1	≤ 300	760 ≤	5.5	3.0	5.0	0.5	1
ZPC13CE1R5K	1.5 Ω ± 20%		3	≤ 410	1030 ≤	7.0			0.6	2
ZPC17CE0R8K	0.8 Ω ± 20%		4.1	≤ 600	1490 ≤	8.8				
ZPC1MCC0R3K	0.3 Ω ± 20%		7	≤ 1030	2580 ≤	14.5				

● 25V Class

Type No.	Initial Resistance (at 25℃)	Max. Operating Voltage (V)	Max. Inrush Current (A)	Current Characteristic (mA)		Dimensions (mm)				Fig
				Normal Current (60℃)	Limiting Current (- 10℃)	D	T	F	d	
ZPC25CE8R2K	8.2 Ω ± 20%	35	1.3	≤ 120	310 ≤	8.0	3.5	5.0	0.5	2
ZPC2DCE4R7K	4.7 Ω ± 20%		1.8	≤ 270	680 ≤	11.4			0.6	
ZPC2ECE3R3K	3.3 Ω ± 20%		2.2	≤ 310	790 ≤	11.9				
ZPC2LCE2R2K	2.2 Ω ± 20%		2.8	≤ 400	1020 ≤	14.3		10.0		

● 50V Class

Type No.	Initial Resistance (at 25°C)	Max. Operating Voltage (V)	Max. Inrush Current (A)	Current Characteristic (mA)		Dimensions (mm)				Fig
				Normal Current (60°C)	Limiting Current (-10°C)	D	T	F	d	
ZPC35CE150K	15 Ω ± 20%	60	0.9	≤ 130	320 ≤	8.0	4.5	5.0	0.5	2
ZPC3DCE6R2K	6.2 Ω ± 20%		1.5	≤ 220	560 ≤	11.4			0.6	
ZPC3MCE3R6K	3.6 Ω ± 20%		2.2	≤ 310	790 ≤	14.7		10.0		

● 120V, 220V Class

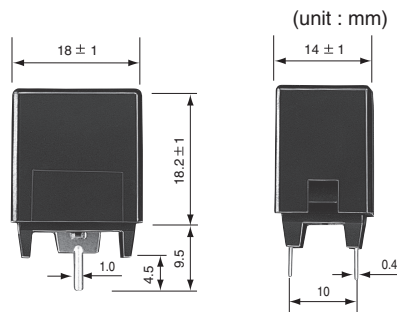
Type No.	Initial Resistance (at 25℃)	Max. Operating Voltage (V)	Max. Inrush Current (A)	Current Characteristic (mA)		Dimensions (mm)				Fig
				Normal Current (60℃)	Limiting Current (−10℃)	D	T	F	d	
ZPC45CE300K	30 Ω ± 20%	140	0.7	≤ 100	250 ≤	8.7	6.0	5.0	0.5	2
ZPC4CCE150K	15 Ω ± 20%		1.1	≤ 160	410 ≤	11.7		10.0	0.6	
ZPC4MCE100K	10 Ω ± 20%		1.5	≤ 210	540 ≤	15.3				
ZPC56CE390K	39 Ω ± 20%	265	0.8	≤ 70	180 ≤	9.5	5.5	5.0		
ZPC5JCE270K	27 Ω ± 20%		1.2	≤ 140	350 ≤	14.0	6.0	10.0		

Please contact us, it is possible to other current values.

In rush current limitation

A Posi-R for In rush current limitations used for various power supply circuits.

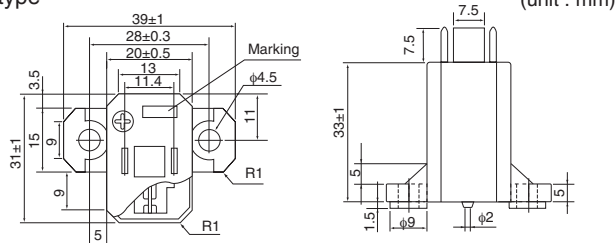
case type



Specification

Type No.	Initial Resistance (at 25°C)	Rated Voltage (Vrms)	Max. Operating Voltage (Vrms)
ZPM0RCH330A250	33Ω ±25%	220 / 240	276
ZPR0RCH400A250	40Ω ±25%		
ZPR0RCH660A250	66Ω ±25%		
ZPR0RCH750A250	75Ω ±25%		
ZPR0RCE820A250	82Ω ±25%		
ZPR0RCE101A250	100Ω ±25%		

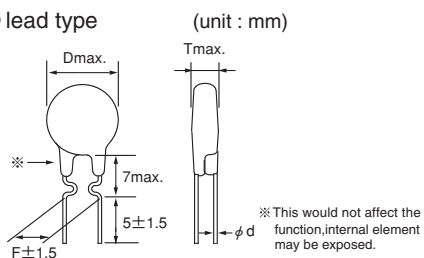
tab terminal type



Specification

Type No.	Initial Resistance (at 25°C)	Max. Operating Voltage (Vrms)	Terminal
ZPR0YCE400A300	40Ω ±25%	300	#187 Tab Terminals
ZPR0YCE101A500	100Ω $+30\%$ -20%	500	

lead type



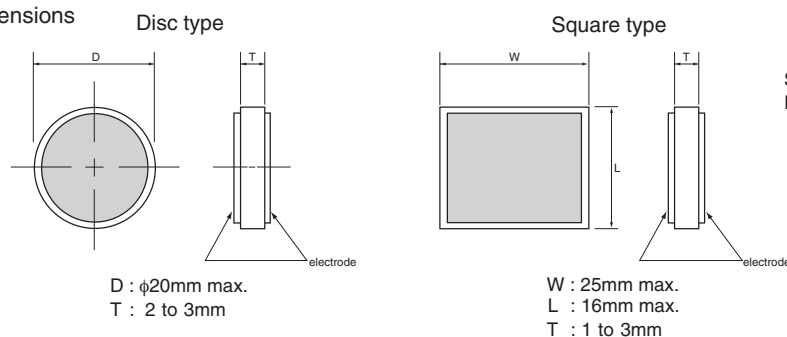
Type No.	Initial Resistance (at 25°C)	Max. Operating Voltage (Vrms)	(mm)			
			D	T	F	d
ZPC56CE390E	39Ω ±25%	144	9.5	5.5	5.0	0.6
ZPC54CH121E	120Ω ±25%	276	7.8	6	5.0	0.5
ZPC54CH181E	180Ω ±25%	276	7.8	6	5.0	0.5
ZPC5JCG121E	120Ω ±25%	276	15	6	10.0	0.6

■ For Heater

A disc type Posi-R is ideal for a small-power heater, making use of its self-heating and self-equilibrium characteristics. As a Posi-R self-heats when voltage is applied, the size of a heater element and the switching temperature can be optionally selected in accordance with the shape of appliances.

Since this is of a non-contact control type, it is highly reliable for such applications. It is used for a Automobile-related appliances, house hold appliances and business machines.

● Dimensions



Switching temperature : 280°C max.
Resistance :
0.3 to 3.0Ω (12V class)
100 to 2000Ω (100V class)
200 to 2000Ω (200V class)
(Resistance value various by size, switching temperature.)