



New ERZ-E10 Series

Radial Leaded Disc ZNR® Transient / Surge Absorber (MOV)



Performance of a 14mm Device in an 10mm Size for Drop-In Replacement!

Panasonic, a worldwide leader in Circuit Protection Products, is pleased to introduce the **NEW ERZ-E10 Series Radial Leaded Disc ZNR® Transient/Surge Absorbers** to our already outstanding ZNR® product line. ZNR® stands for **Z**inc-oxide **N**on-linear **R**esistor, also commonly known as Metal Oxide Varistor or MOV. Panasonic invented the ZNR® Surge Absorber in 1968 and is a pioneer in the use of Zinc Oxide as a Surge Absorber. ZNR® devices are used to protect electronic equipment against voltage surges and save board space and cost. The **NEW ERZ-E10 Series** offers a finer, more uniform grain structure which facilitates enhanced performance while allowing for size reduction. Offering voltages ranging from 200 to 1100V, the **ERZ-E10 Series** has the performance of a conventional 14mm diameter device in an 10mm diameter size, all with the same lead spacing for a 14mm replacement.

Features

- Voltage Range: 200 to 1100V
- Smaller 10mm Diameter than the 14mm ERZ-V14Dxxx
- Same Lead Spacing of ERZ-V14Dxxx
- Similar Electrical Performance*
- Agency Recognition (UL/VDE/CQC)
- RoHS Compliant

Benefits

- Save PCB Space
- More Affordable than 14mm Alternatives
- Facilitates Agency Equipment Approval
- 14mm Replacement*

Industries

- Industrial Machinery
- Test and Measurement
- Control Systems
- Communications
- Consumer Electronics

Applications

- Power Supply Input Protection
- Relay Protection
- Solenoid Valve Protection
- Semiconductor Protection

*For details on agency recognition and max peak current please see the chart on the next page.

Part Number Information

E	R	Z	-	E	1	0	A	2	0	1		
Product Code				Series			Lead Config.	Nominal Varistor Voltage			Design No.	

Symbol	Lead Configuration	Packaging
A	Straight	Bulk
B	Crimped Lead	Bulk
E	Straight	Taped
F	Crimped Lead	Taped

The first two digits are significant figures and the third one denotes the number of zeros following.

Additional Information

For detailed specification information on the **ERZ-E10 Series** Radial Leaded Disc ZNR® Transient / Surge Absorber, visit our website at:

<http://us.panasonic.com/industrial/electronic-components/protection/>

Agency Approvals (E11 vs. E10 Series)

Varistor Voltage	Series											
	E11					E10						
	UL1449 Ed.3		VDE			UL1449 Ed.3		VDE		CQC		
Type 2	Type 5	IEC61051-1-2, -2-2	IEC60950-1, Ed.2 Annex Q	Type 3		Type 5	IEC61051-1-2, -2-2	IEC60950-1, Ed.2 Annex Q	GB/T10193 GB/T10194	GB/4943.1 GB8898		
200	6000 A	●	●	●	●	4500 A		●	●		●	
220		●	●	●	●			●	●		●	
240		●	●	●	●			●	●		●	
270		●	●	●	●			●	●		●	
330		●	●	●	●			●	●		●	
360		●	●	●	●			●	●		●	
390		●	●	●	●			●	●		●	
430		●	●	●	●			●	●		●	
470	●	●	●	●	●			●	●	●	●	
510	●	●	●	●	●			●	●	●	●	
560	●	●	●	●	●			●	●	●	●	
620	5000 A	●	●	●	●		●		●	●	●	●
680		●	●	●	●		●		●	●	●	●
750		●	●	●	●		●		●	●	●	●
820		●	●	●	●		●		●	●	●	●
910		●	●	●	●		●		●	●	●	●
1000		●	●	●	●		●		●	●	●	●
1100	●	●	●	●	●		●		●	●	●	●