
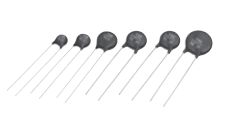



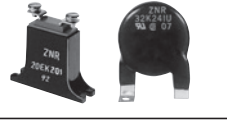
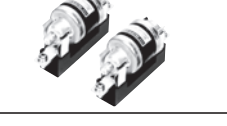
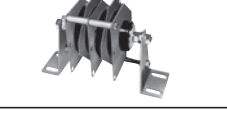

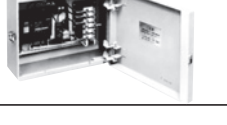
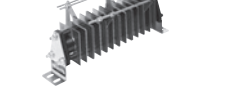


Products System

“ZNR” Surge Absorbers	Type D Series V		Standard type with radial leads for general surge protect applications	<ul style="list-style-type: none"> ● Varistor Voltage : 18 to 1800 V ● Maximum Peak Current : 125 to 7000 A (at 8/20 μs) 	P.4
	Type D Series E Series E-S1		Large surge current and energy handling capability for absorbing transient overvoltage	<ul style="list-style-type: none"> ● Varistor Voltage : 200 to 1100 V ● Maximum Peak Current : 600 to 7000 A (at 8/20 μs) 	P.31
	Type SMD Series HF		For Automotive (DC12 V) Meet for Load Dump Surge Compact size SMD High Reliability	<ul style="list-style-type: none"> ● Varistor Voltage : 20 to 23.2 V 27 V±20 % ● Maximum Surge : JASO A-1 70 V 1 time 	P.67
	Type SMD Series VF		Surface mount type with protective coating so as to high level reliability	<ul style="list-style-type: none"> ● Varistor Voltage : 22 to 470 V ● Maximum Peak Current : 125 to 600 A (at 8/20 μs) 	P.70
	Type SC		For incorporation in a surge protective device corresponding to the IEC61643-1	<ul style="list-style-type: none"> ● Varistor Voltage : 200 to 950 V ● Maximum Peak Current : In 20 kA I_{max} 40 kA (at 8/20 μs) 	P.78
	Type E Type CK		For an application in industrial electric or electronic equipment under heavy duty	<ul style="list-style-type: none"> ● Varistor Voltage : 200 to 1100 V ● Maximum Peak Current : 5 to 25 kA (at 8/20 μs) 	P.80
	Type P		Plug-in type with deterioration indicator. For application to industrial equipment	<ul style="list-style-type: none"> ● Varistor Voltage : 250 to 1000 V ● Maximum Peak Current : 5000 A (at 8/20 μs) 	P.94
	Type J		Stack-type for heavy surge energy application (High power induced load and so on)	<ul style="list-style-type: none"> ● Varistor Voltage : 560 to 1250 V ● Maximum Peak Current : 80 to 320 kA (at 4/10 μs) ● Energy : 5000 to 40000 J 	P.96
	Type G		For protection to switching surge of high voltage (3.3, 6.6 kV) equipment	<ul style="list-style-type: none"> ● Varistor Voltage : 5 or 17 kV ● Maximum Peak Current : 5 to 10 kA (at 8/20 μs) ● Energy : 1300 to 2600 J 	P.99
	Surge Absorber Units		Surge absorber with connected ZNRs and circuit breaker in box	<ul style="list-style-type: none"> ● Varistor Voltage : 22 to 1000 V ● Impulse Life : 16 to 210 A ● Maximum Peak Current : 5 to 50 kA (at 8/20 μs) 	P.101
	Surge Absorbers for Thyristor		Thyristor protection against switching surge of transformer	<ul style="list-style-type: none"> ● Varistor Voltage : 510 to 2500 V ● Impulse Life : 40 to 210 A (2 ms, 10⁴ times) 	P.105