R·A·V-BWZ-2A

This model is designed specifically for use in AC power line applications. This model uses specially treated discharge electrodes for greatly enhanced noise immunity test and surge life making it optimum for the protection of single-phase power supply circuits.

R·A·V-BXZ-2A

This model is designed specifically for use in three-phase power circuit applications. Combing multiple PAVs with specially treated electrodes for greatly enhanced noise immunity test and surge life, this model is constructed in a unit-molded body.

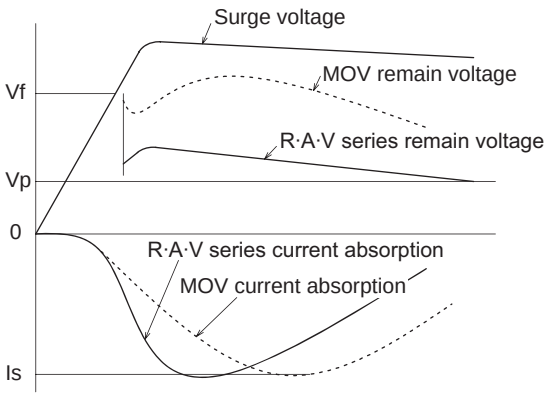
R·A·V-BYZ-2

This model is designed specifically for use in three-phase power circuit applications. It is designed to protect against “normal mode” noise transient surges.

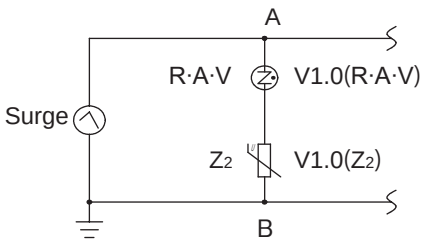
When used in conjunction with the RAV-BXZ-2A, it will furnish complete protection of equipment from both Normal and Common mode transient voltage surges.

Safety Standard		File No.
UL	:UL1449 4th.	E322107
CSA	:C22.2 No.8	LR105073

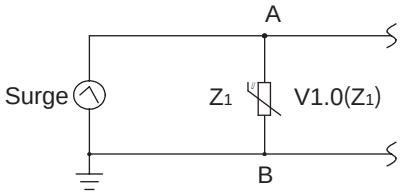
● *Surge Absorption Capacitance Remain Voltage Comparison Chart*



Surge Absorber

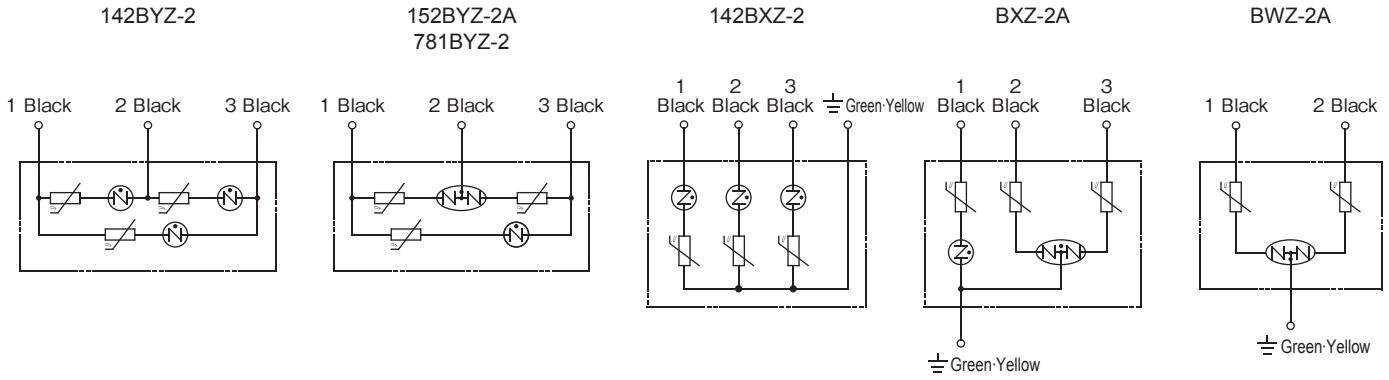


MOV

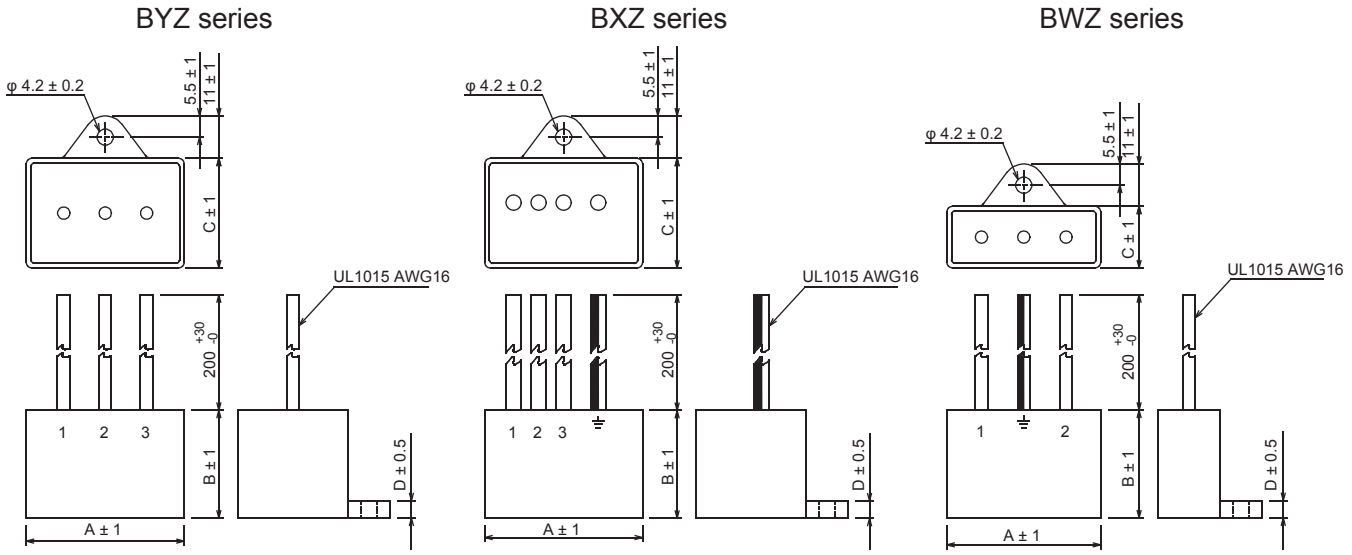


Vf: Breakdown voltage
Vp: Peak circuit voltage
$Vp=Vac\times\sqrt{2}$
Max. surge current
Is: $V1.0(R\cdot A\cdot V)+V1.0(Z_2)=V1.0(Z_1)$

● *Circuit*



● *Dimensions*



Unit: mm

Electrical Specifications

Safety Standard	Model Number	Line Voltage 50/60Hz		Max. Line Voltage (V)	Clamping Voltage (V) ±10%	Impulse Discharge Current 8/20μs (A)	Withstanding Impulse Voltage 1.2/50μs (V)	Capacitance (pF) *	Weight (g) Approx.	Dimensions (mm)			
										A	B	C	D
	R·A·V-401BWZ-2A	Single Phase	AC125V	145	403	2,500	20,000	100	50	40	28	16	4.5
	R·A·V-781BWZ-2A	Single Phase	AC250V	300	783			50	60				
	R·A·V-781BXZ-2A	Three Phase	AC250V						100	41		28.5	
	R·A·V-781BYZ-2							75					
—	R·A·V-142BXZ-2	Three Phase	AC400V	450	1,385	1,000	12,000	50	140	59.9	43.5	30.6	5
	R·A·V-142BYZ-2							40					
	R·A·V-152BXZ-2A	Three Phase	AC460V	500	1,470	2,500	20,000	35	100	41	28	28.5	4.5
	R·A·V-152BYZ-2A												

* Reference Value
Operating Temperature: -20~+70°C