

# 长沙瑞起机电设备有限公司

CHANGSHA RICH MACHINERY AND ELECTRIC EQUIPMENTS CO. LTD

Shaoshan Nan Changsha City, China, PC 410007 [www.asiapower.net](http://www.asiapower.net) [sales@asiapower.ent](mailto:sales@asiapower.ent)

ZnO Varistor Blocks (Metal Oxide Resistors) for Surge Arresters

**Table 1: Standard AC Metal Oxide Varistor Blocks**

*Suitable for Distribution and Station Class Surge Arresters.*

Type (D×H)	Outside Dia. (mm)	Inside Dia. (mm)	Height (mm)	DC 1mA Ref. Voltage (kV)	Leakage Current (0.75U1mA)	Nom. Discharge Current (8/20μs)	Max. Residual Voltage Ratio	High Current Withstand (4/10μs)	2ms Rectangular Impulse (A)
Φ32×25	32±0.5	—	25±0.5	5.0-5.7	≤10μA	5kA	1.79	40kA	150
Φ32×30	32±0.5	—	30±0.5	6.0-6.9	≤10μA	5kA	1.79	40kA	150
Φ35×25	35±0.5	—	25±0.5	5.0-5.7	≤10μA	5kA	1.76	65kA	250
Φ42×30	42±0.5	—	30±0.5	6.3-6.9	≤15μA	5kA	1.7	100kA	400
Φ45×30	45±0.5	—	30±0.5	6.3-6.9	≤20μA	5kA	1.68	100kA	500
Φ52×30	52±0.5	—	30±0.5	6.3-6.9	≤20μA	10kA	1.73	100kA	600
Φ60×30	60±0.5	—	30±0.5	6.3-6.9	≤20μA	10kA	1.71	100kA	800
Φ71×22 (Hollow)	71±0.5	26±0.5	22±0.5	4.4-5.1	≤20μA	10kA	1.72	100kA	1000
Φ85×22	85±0.5	—	22±0.5	4.4-5.1	≤20μA	10kA	1.63	100kA	1800
Φ115×22	115±0.5	42±0.5	22±0.5	4.4-5.1	≤30μA	20kA	1.66	100kA	2200
Φ128×22	128±0.5	42±0.5	22±0.5	4.4-5.1	≤30μA	20kA	1.7	100kA	3000

**Table 2: High-Gradient Varistor Blocks (Proprietary Technology)**

*Optimized for GIS (Gas Insulated Switchgear) and Compact Tank-type Arresters.*

Type (D×H)	Outside Dia. (mm)	Height (mm)	DC 1mA Ref. Voltage (kV)	Leakage Current (0.75U1mA)	Nom. Discharge Current (8/20μs)	Max. Residual Voltage Ratio	High Current Withstand (4/10μs)	2ms Rectangular Impulse (A)
Φ60×22	60±0.5	22±0.5	6.6-8.8	≤20μA	10kA	1.69	100kA	600
Φ71×22	71±0.5	22±0.5	6.6-8.8	≤20μA	10kA	1.65	100kA	800
Φ128×22	128±0.5	22±0.5	6.6-8.8	≤30μA	20kA	1.64	100kA	2200

**Table 3: DC System Metal Oxide Varistor Blocks**

Engineered for HVDC transmission and DC traction power systems.

Type (D×H)	Outside Dia. (mm)	Height (mm)	DC 1mA Ref. Voltage (kV)	Leakage Current (0.75U1mA)	Nom. Discharge Current (8/20μs)	Max. Residual Voltage Ratio	High Current Withstand (4/10μs)	2ms Rectangular Impulse (A)
Φ52×25	52±0.5	25±0.5	5.0-5.7	≤20μA	10kA	1.73	100kA	600
Φ75×22	75±0.5	22±0.5	4.4-5.1	≤20μA	20kA	1.76	100kA	1400
Φ105×22	105±0.5	22±0.5	4.4-5.1	≤30μA	20kA	1.68	100kA	2200