

Gas Discharge Tube 600V 2 Poles Disk

MGTH-D Series

MERITEK

FEATURE

- Ultra-Fast Surge Response
- High Surge Current Capability
- Stable Breakdown Voltage, High Insulation Resistance
- Micro-Gap Design
- Applications: Surge Protective Devices (SPDs), Power Systems, Industrial Equipment

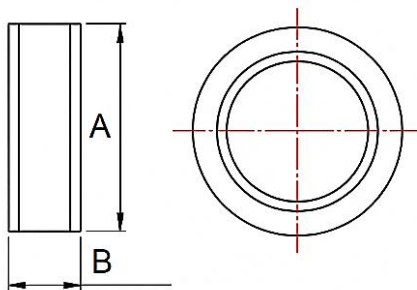


ELECTRICAL CHARACTERISTICS

Part Number	DC Spark-over Voltage	Impulse Spark-over Voltage	Impulse Discharge Current	Max Impulse Discharge Current	Minimum Insulation Resistance		Maximum Capacitance
	100V/s	1KV/ μ s	8/20 μ s	10/350 μ s	V _T	IR	1MHz
	(V)	(V)	(KA)	(KA)	(V _{DC})	(G Ω)	(pF)
MGTH08600MCBD	600 $\pm$ 20%	1400	80	15	100	1	7

Note: Operating Temperature: -40°C ~ +85°C

DIMENSIONS



Unit: mm

Part Number	A	B
MGTH08600MCBD	20 $\pm$ 0.5	6 $\pm$ 0.5

PART NUMBERING SYSTEM

MGTH **08** **600M** **CBD**
(1) (2) (3) (4)

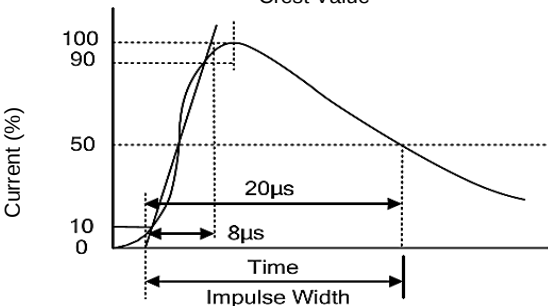
No	Item	Code	Description	
(1)	Product Code	MGTH	Gas Discharge Tube series, High Surge type	
(2)	Discharge Current	08	08: 80KA, 8/20 μ s	
(3)	DC Spark Over Voltage	600M	600V $\pm$ 20%(M)	DC Spark Over Voltage, 100V/s
(4)	Series Code	CBD	CBD: Disk	Internal Control Reference

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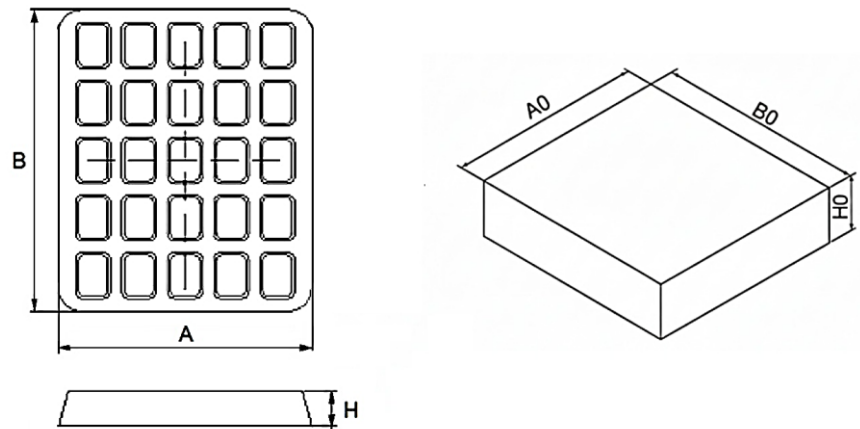
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RELIABILITY

Item	Test Condition	Requirement
DC Spark-over Voltage	The voltage is measured with voltage ramp $dv/dt = 100V/s$.	To meet the specified value
Maximum Impulse Spark-over Voltage	The voltage is measured with voltage ramp $dv/dt = 1000V/\mu s$.	
Impulse Discharge Current	Maximum $8/20 \mu s$ surge current that can be applied between two electrodes. Crest Value 	To meet the specified value
Insulation Resistance	The resistance of gas tube shall be measured between two electrodes.	To meet the specified value
Capacitance	The capacitance of gas tube shall be measured between two electrodes.	

PACKAGING SPECIFICATION



Unit: mm

Package	A ± 2.0	B ± 2.0	H ± 2.0	Qty /Tray	A0 ± 2.0	B0 ± 2.0	H0 ± 2.0	Qty/Box
Tray	190	230	18.0	150	200	240	100	750

*Specifications subject to change without notice.