

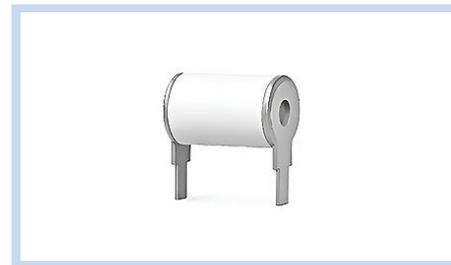
Gas Discharge Tube 600V 2 Poles Radial

MGTH-R 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

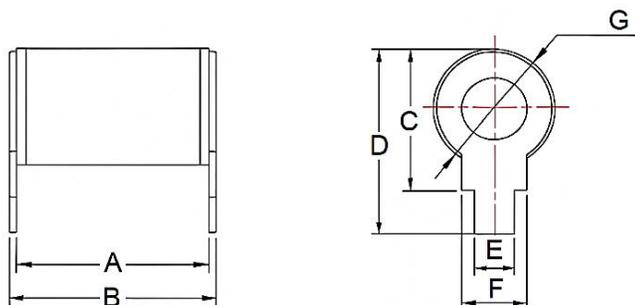


ELECTRICAL CHARACTERISTICS

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/μs	8/20μs	10/350μs	V _T	IR	1MHz
	(V)	(V)	(KA)	(KA)	(V _{DC})	(GΩ)	(pF)
MGTH06600MCBR	600±20%	1400	60	10	100	1	5
MGTH10600MCBR	600±20%	1400	100	20	100	1	8

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

DIMENSIONS



Unit: mm

Part Number	A	B	C	D	E	F	G
MGTH06600MCBR	16.0±0.5	17.5±1.0	15.5±0.5	24.5±1.0	3 Typ	6 Typ	11.5±0.3
MGTH10600MCBR	22.4±1.0	24.0±1.0	18.0±1.0	23.5±1.0	5 Typ	8 Typ	15.0±0.3

PART NUMBERING SYSTEM

MGTH **06** **600M** **CBR**
(1) (2) (3) (4)

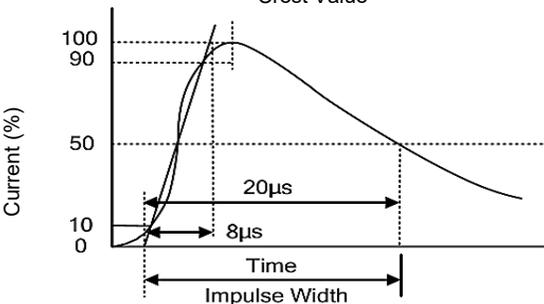
No	Item	Code	Description
(1)	Product Code	MGTH	Gas Discharge Tube series, High Surge type
(2)	Discharge Current	06	06: 60KA, 8/20μs 10: 100KA
(3)	DC Spark Over Voltage	600M	600V ±20%(M) DC Spark Over Voltage, 100V/s
(4)	Series Code	CBR	CBR: Radial Internal Control Reference

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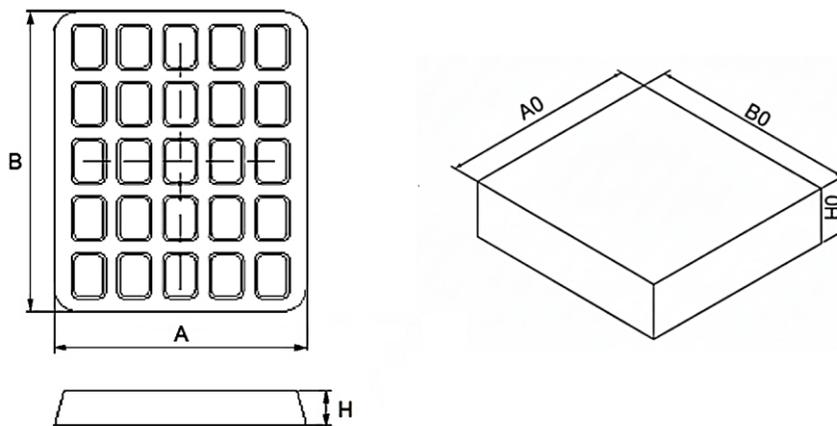
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ELECTRICAL RATINGS

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	<p>Maximum 8/20 μs surge current that can be applied between two electrodes. Crest Value</p> 	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 \pm 2.0	B \pm 2.0	H \pm 2.0	Qty /Tray	A0 \pm 2.0	B0 \pm 2.0	H0 \pm 2.0	Qty/Box
Tray	190	230	18.0	25	200	240	100	125

*Specifications subject to change without notice.