

GDT Product Specification

BF***M SMD Gas Discharge Tube (5×5×4.2mm)



1、FEATURES

- Surface Mounting Design UL Certified E232249
- Size Design EIA 2018 5×5×4.2mm
- High Current Handling Capability 5,000A @ 8/20μs
- Low Capacitance and Insertion Loss
- Fast Response and Long Service Life
- Reliable to Protect Electrostatic Surge



2、AVAILABLE PART NUMBER AND ELECTRICAL PARAMETER @ T=25°C RH = 45%-75%

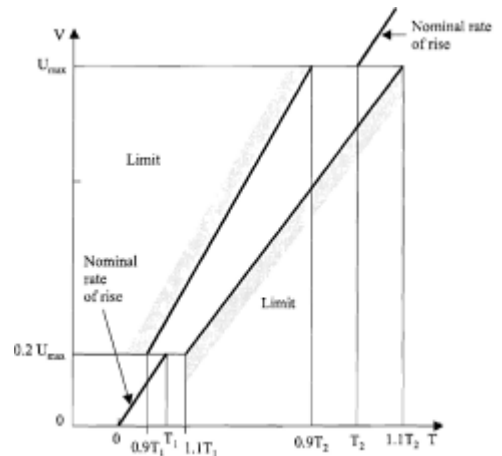
Part Number	DC Breakdown Voltage①	Tolerance of Vs	Impulse Spark-over Voltage	Impulse Discharge Current②	Insulation Resistance		C③ (1MHz)
	100V/s④		1kV/μs④	8/20μs	GΩ	DC	0.3V _{DC}
BF071M	70V	±20%	≤ 650V	5,000A	≥1	25V	≤1pF
BF091M	90V	±20%	≤650V	5,000A	≥1	50V	≤1pF
BF151M	150V	±20%	≤ 600V	5,000A	≥1	50V	≤1pF
BF201M	200V	±20%	≤ 650V	5,000A	≥1	100V	≤1pF
BF231M	230V	±20%	≤ 700V	5,000A	≥1	100V	≤1pF
BF301M	300V	±20%	≤ 700V	5,000A	≥1	100V	≤1pF
BF351M	350V	±20%	≤ 750V	5,000A	≥1	100V	≤1pF
BF401M	400V	±20%	≤ 800V	5,000A	≥1	100V	≤1pF
BF471M	470V	±20%	≤ 850V	5,000A	≥1	250V	≤1pF
BF601M	600V	±20%	≤ 950V	5,000A	≥1	250V	≤1pF

- ①、The parameters of all are tested by ITU-T K12
- ②、Total Impulse Discharge Current 5,000A @ 8/20μs by IEC 61000-4-5, 10 shots
- ③、The capacitance are tested by 1MHz @ DC= 0.3V
- ④、The V-T waveform of DCBV and IPBV must lie between the shades.

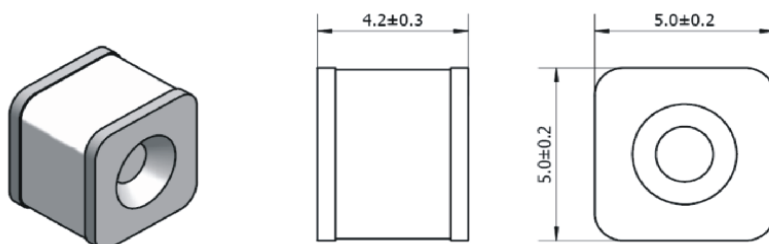
3、PART NUMBERING SYSTEM

BF **XXX** **M**
 (1) (2) (3)

- (1) Bencent SMD Gas Discharge Tube in 5×5×4.2 (L×W×H) (mm),
Total Impulse Discharge Current 5,000A @ 8/20μs
- (2) DC Breakdown Voltage, e.g., 151=15×10¹=150V
- (3) Tolerance is DC Breakdown Voltage, M=+-20%, N=+-30%



4、DIMENSIONS



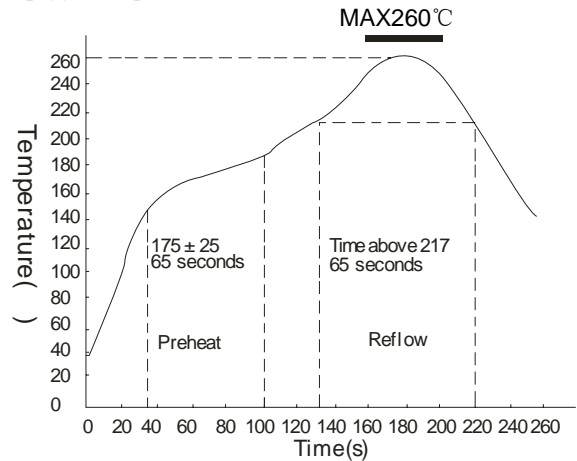
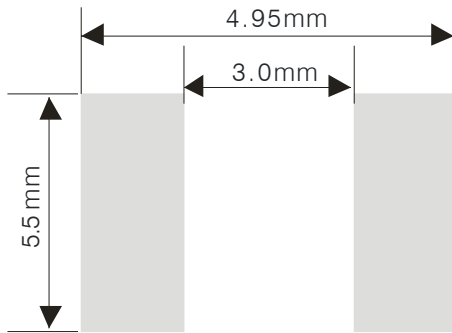
Unit:mm

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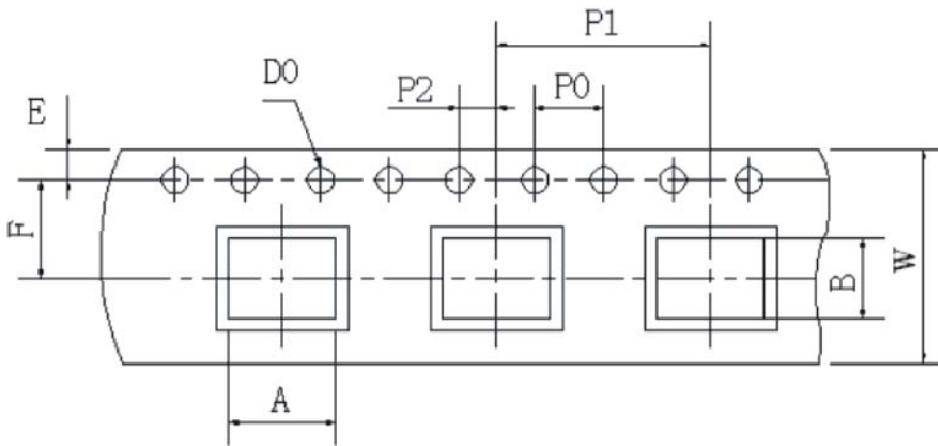
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5、RECOMMENDED SOLDERING PAD AND REFLOW PROFILE



6、PACKAGE REEL INFORMATION



Item	DIM(mm)
A	5.3 ± 0.10
B	4.5 ± 0.20
D0	1.50 ± 0.10
E	1.75 ± 0.10
F	5.5 ± 0.1
P0	4.0 ± 0.1
P1	8.0 ± 0.10
P2	2.0 ± 0.1
W	12.0 ± 0.30

OUTLINE	REEL (PCS)	PER CARTON (PCS)	REEL DIAMETERS (mm)	CARTON SIZE(mm)		
				L	W	H
TAPING	1,000	16,000	330	360	360	360

Remark:

Special Notes

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