

GDT Product Specification

B3DxxxL-C SMD Gas Discharge Tube (7.6×5×5mm)



1、FEATURES

- Surface Mounting Design UL Certificated E232249
- High Current Handling Capability 5,000A @ 8/20μs
- Low Capacitance and Insertion Loss
- QuickResponse and Long Service Life
- Moisture sensitivity level: Level 1



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

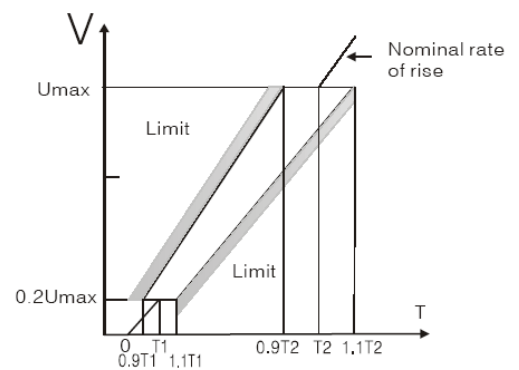
Part Number	DC Breakdown Voltage①	Tolerance of Vs	Impulse Spark-over Voltage 1kV/μs	Impulse Discharge Current②③ 8/20μs	Insulation Resistance		Capacitance ④ (1MHz)
	100V/s				GΩ	DC	
B3D090L-C	90V	±25%	≤ 700V	5,000A	≥1	50V	≤1.5pF
B3D150L-C	150V	±20%	≤ 800V	5,000A	≥1	50V	≤1.5pF
B3D230L-C	230V	±20%	≤ 800V	5,000A	≥1	100V	≤1.5pF
B3D350L-C	350V	±20%	≤ 800V	5,000A	≥1	100V	≤1.5pF
B3D420L-C	420V	±20%	≤ 950V	5,000A	≥1	100V	≤1.5pF
B3D1000L-C	1000V	±20%	≤ 1600V	2,000A	≥1	100V	≤1.5pF
B3D1000L1-C	950-1500		≤ 1800V	2,000A	≥1	100V	≤1.5pF

- 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、 Currents through center electrode, half value through each line electrode
- ④、 The capacitance are tested by 1MHz
- ⑤、 The V-T waveform of DCBV and IPBVμs lie

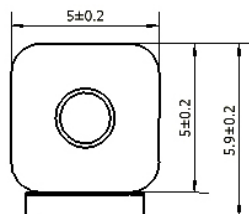
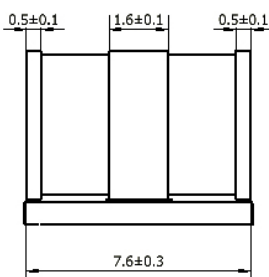
3、PART NUMBERING SYSTEM

B3D **xxx** **L** - **C**
 (1) (2) (3) (4)

- (1) Bencent 3-Electrode SMD Gas Discharge Tube 7.6×5×5mm
- (2) DC Breakdown Voltage, e.g., 090=90V
- (3) Surge Rating @8/20μs, L=5,000A
- (4) Is Suitable for High-Speed SMT Weiding



4、DIMENSIONS AND MARKING



Unit:mm



Surface Mark:

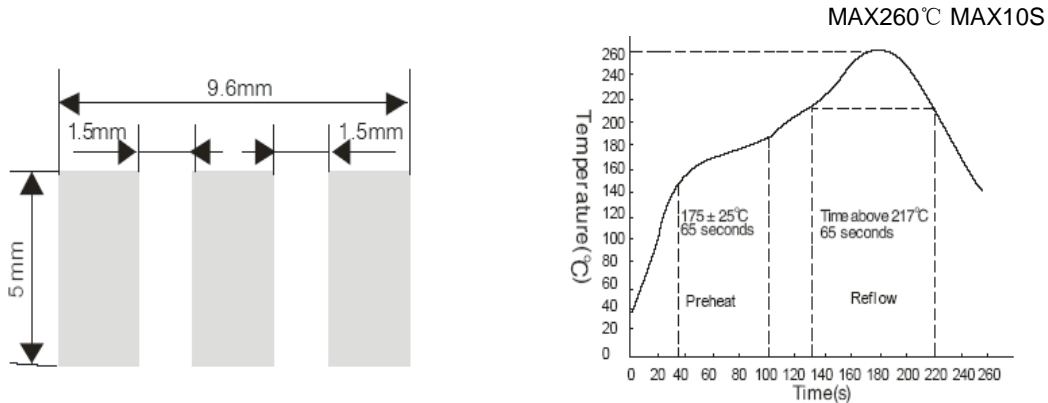
B3D420L - Part Number
 0901 - Production Date
 09 :Year 2009
 01 : Month 1, January

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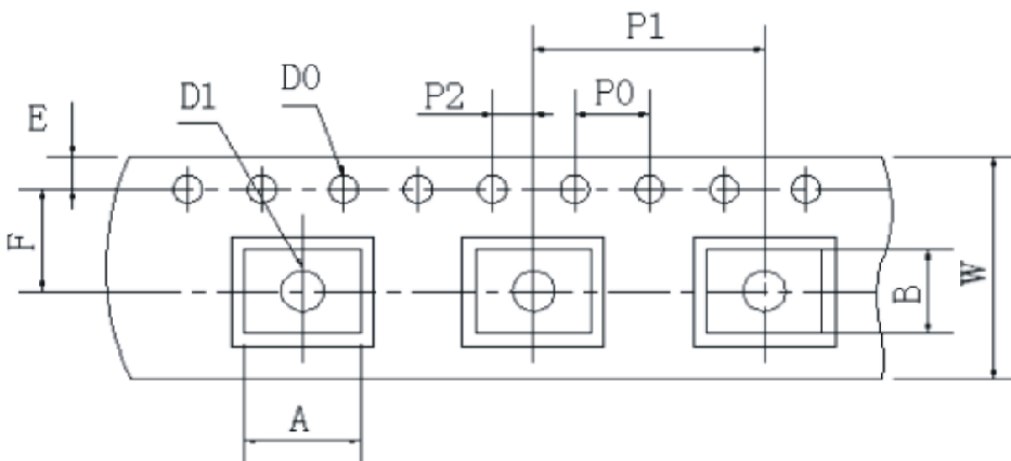


5、RECOMMENDED SOLDERING PAD AND REFLOW PROFILE



6、OPERATION AND STORAGE TEMPERATURE: -40°C ~ +85°C

7、PACKAGE REEL INFORMATION



ITEM	DIM(mm)
A	5.40±0.10
B	8.4±0.10
D0	1.50±0.10
D1	1.5±0.1
E	1.75±0.10
F	7.5±0.1
P0	4.0±0.1
P1	8.0±0.10
P2	2.0±0.1
W	16.0±0.30

OUTLINE	UNIT WEIGHT (g)	REEL (PCS)	PER CARTON (PCS)	REEL DIAMETERS (mm)	CARTON SIZE(mm)		
					L	W	H
TAPING	~1.0	1,000	16,000	330	360	360	360

Remark:

- Company name change from *Bencent Electronics Limited* to *Shenzhen Bencent Electronics Co., Ltd*
- Add items of Operation and Storage Temperature
- Add items of UNIT WEIGHT

Special Notes

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