

TSS Product Specification

BSxxxxN-C Thyristor Surge Suppressor



1、FEATURES

- Excellent capability of absorbing transient surge
- Quick response to surge voltage
- Eliminates overvoltage caused by fast rising transients
- Non degenerative



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

Part Number	V _{DRM}	I _{DRM}	V _s	I _s	V _T	I _T	I _H	C _o
	V	μA	V	mA	V	A	mA	pF
		MAX	MAX		MAX		MIN	MAX
BS0060N-C	6	5	25	800	4	2.2	15	100
BS0300N-C	25	5	40	800	4	2.2	50	100
BS0640N-C	58	5	77	800	4	2.2	150	100
BS0800N-C	75	5	98	800	4	2.2	150	100
BS1800N-C	160	5	220	800	4	2.2	150	100
BS2300N-C	190	5	260	800	4	2.2	150	100
BS2600N-C	220	5	300	800	4	2.2	150	80
BS3100N-C	275	5	350	800	4	2.2	150	80
BS3500N-C	320	5	400	800	4	2.2	150	35
BS4200N-C	390	5	500	800	4	2.2	150	35

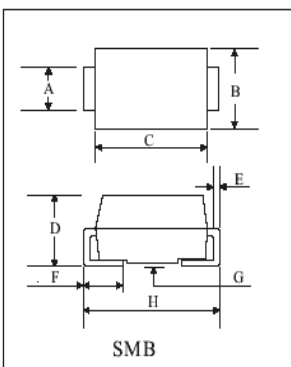
- ①、V_s is measured at 100KV/S
- ②、Off-state capacitance is measured in V_{DC}=2V, V_{RMS}=1V, F=1MHz
- ③、All measurements are made at an ambient temperature of 25°C

3、PART NUMBERING SYSTEM

BS xxxx N C
 (1) (2) (3) (4)

- (1) Bencent Semiconductor Surge Arrester
- (2) Series: 0060, 0300, 0640, 0800, 1800, 2300, 2600, 3100, 3500, 4200 etc.
- (3) Package : SMB
- (4) Rating Surge Voltage: 6KV(10/700μS)

4、DIMENSIONS AND MARKING



Size	A (mm)	B (mm)	C (mm)	D (mm)
SMB	1.96--2.21	3.30--3.94	4.06—4.57	1.95—2.62
Size	E (mm)	F (mm)	G (mm)	H (mm)
SMB	0.15—0.31	0.76—1.52	0.05—0.20	5.21—5.59

MARKING:

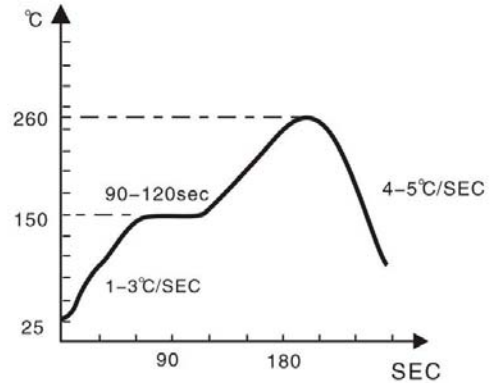
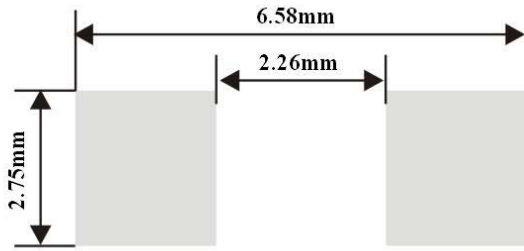
B35NC Part Number
 0909 Production Date
 0909 means 9th month, 2009

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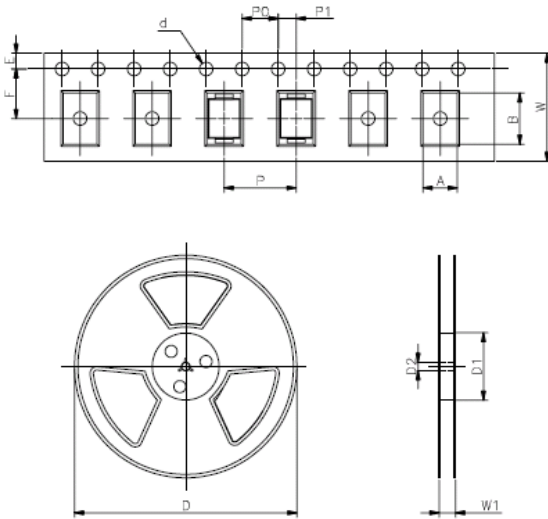
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5. RECOMMENDED SOLDERING PAD AND REFLOW PROFILE



6. PACKAGE REEL INFORMATION



SMB (DO-214AA)

REF.	mm(inch)
A	3.65+/-0.1(.144+/-0.004)
B	5.69+/-0.1(.244+/-0.004)
d	1.5+/-0.1(.059+/-0.004)
D	330.0(13.0)
D1	50Min
D2	13+/-0.15(.512+/-0.020)
E	1.5+/-0.1(.059+/-0.004)
F	5.65+/-0.05(.222+/-0.002)
P	8.0+/-0.1(.315+/-0.004)
P0	4.0+/-0.1(.157+/-0.004)
P1	2.0+/-0.1(.079+/-0.004)
W	12.0+/-0.2(.472+/-0.008)
W1	16.8+/-2.0(.661+/-0.079)

OUTLINE	REEL (PCS)	PER CARTON (PCS)	REEL DIAMETERS (mm)	CARTON SIZE(mm)		
				L	W	H
TAPING	3,000	24,000	330	360	360	360

Remark:

- 1、 Company name change form *Bencent Electronics Limited* to *Shenzhen Bencent Electronics CO., Ltd*

Special Notes

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