

TSS Product Specification

BSxxxxN 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	6	5	25	800	4	2.2	50	80
BS0300N	25	5	40	800	4	2.2	50	80
BS0640N	58	5	77	800	4	2.2	150	80
BS0800N	75	5	98	800	4	2.2	150	80
BS1800N	160	5	220	800	4	2.2	150	80
BS2300N	190	5	260	800	4	2.2	150	80
BS2600N	220	5	300	800	4	2.2	150	60
BS3100N	275	5	350	800	4	2.2	150	60
BS3500N	320	5	400	800	4	2.2	150	25
BS4200N	390	5	500	800	4	2.2	150	25

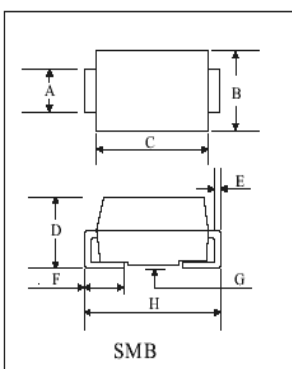
- ①、V_s is measured at 100KV/S
- ②、Off-state capacitance is measured in V_{DC}=2V, V_{RMS}=1V, F=1MHz
- ③、All measurements are made at an ambient temperature of 25°C
- ④、Rating Surge Voltage: 4KV(10/700μS)

3、PART NUMBERING SYSTEM

BS XXXX N
 (1) (2) (3)

- (1) Bencent Semiconductor Surge Arrester
- (2) Series: 0060, 0300, 0640, 0800, 1800, 2300, 2600, 3100, 3500, 4200 etc.
- (3) Package : SMB

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:

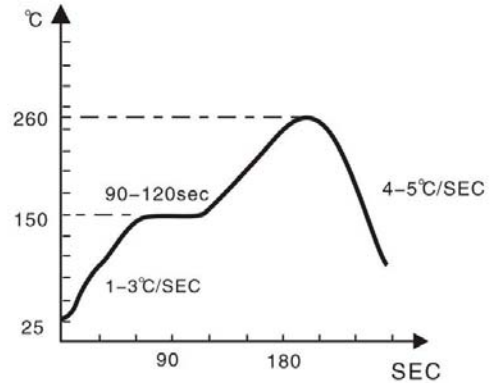
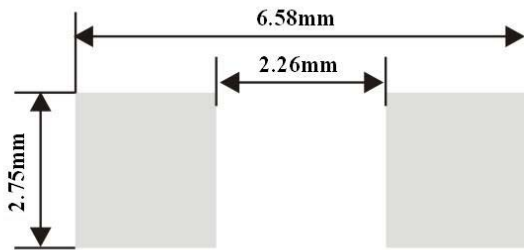
B35NB Part Number
 0909 Production Date
 0909 means 9th month,2009

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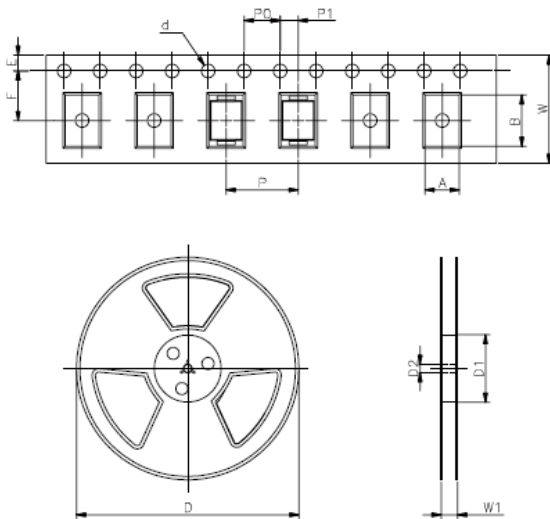
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5. RECOMMENDED SOLDERING PAD AND REFLOW PROFILE



6. PACKAGE REEL INFORMATION



SMB (DO-214AA)

標識	規格mm(inch)
A	3.65+/-0.1(.144+/- .004)
B	5.69+/-0.1(.244+/- .004)
d	1.5+/-0.1(.059+/- .004)
D	330.0(13.0)
D1	50Min
D2	13+/-0.15(.512+/- .020)
E	1.5+/-0.1(.059+/- .004)
F	5.65+/-0.05(.222+/- .002)
P	8.0+/-0.1(.315+/- .004)
P0	4.0+/-0.1(.157+/- .004)
P1	2.0+/-0.1(.079+/- .004)
W	12.0+/-0.2(.472+/- .008)
W1	16.8+/-2.0(.661+/- .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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