

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	VDRM	IDRM	VS	IS	VT	IT	IH	CO
	V	μA	V	mA	V	A	mA	pF
		MAX	MAX		MAX		MIN	MAX
BS0060N	6	5	25	800	4	1	40	80
BS0300N	25	5	40	800	4	1	50	80
BS0640N	58	5	77	800	4	1	150	80
BS0800N	75	5	98	800	4	1	150	80
BS1800N	160	5	220	800	4	1	150	80
BS2300N	190	5	260	800	4	1	150	80
BS2600N	220	5	300	800	4	1	150	60
BS3100N	275	5	350	800	4	1	150	60
BS3500N	320	5	400	800	4	1	150	60

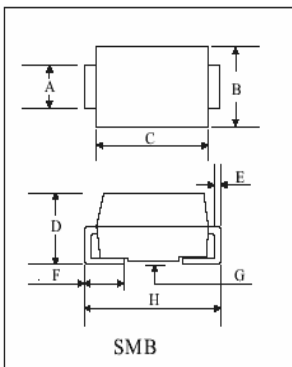
- ①、Vs is measured at 100KV/S
- ②、Off-state capacitance is measured in VDC=2V,VRMS=1V,F=1MHz
- ③、All measurements are made at an ambient temperature of 25°C

3、PART NUMBERING SYSTEM

B xx N B
 (1) (2) (3) (4)

- (1) Bencent Semiconductor Surge Arrester
- (2) Series: 006, 03, 06, 08, 18, 23, 26, 31, 35etc.
- (3) Package : N: SMB
- (4) Rating Surge Current: 4KV(10/700μS) 75A (10/1000μS)

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:

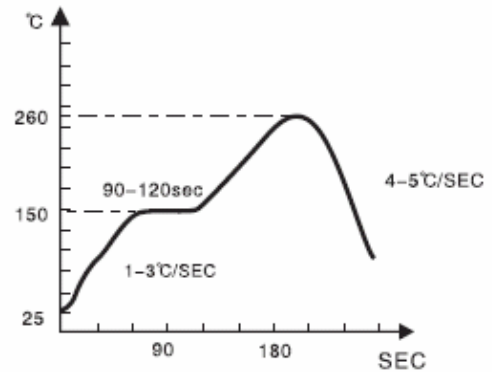
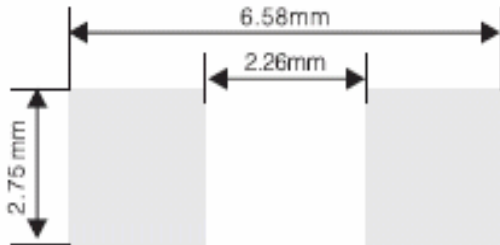
B35NB Part Number
 0906 Production Date
 0906 means 6th month,2009

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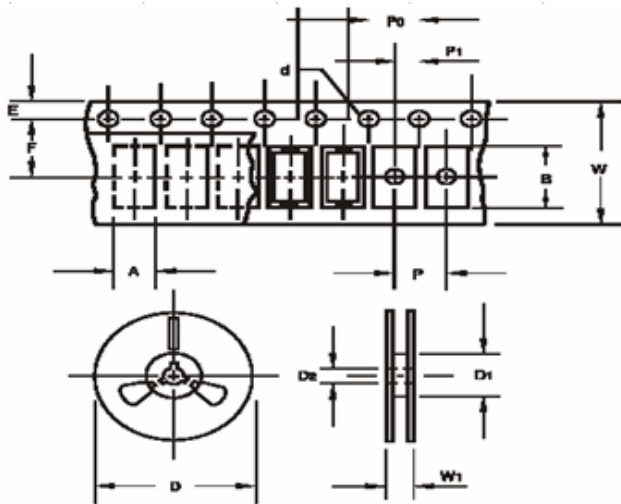
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5、RECOMMENDED SOLDERING PAD AND REFLOW PROFILE



6、PACKAGE REEL INFORMATION



SMB (DO-214AA)

REF.	mm(inch)
A	3.65±0.1(.144±.004)
B	5.69±0.1(.244±.004)
d	1.5±0.1(.059±.004)
D	330.0(13.0)
D1	50Min
D2	13±0.5(.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:

Special Notes

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