

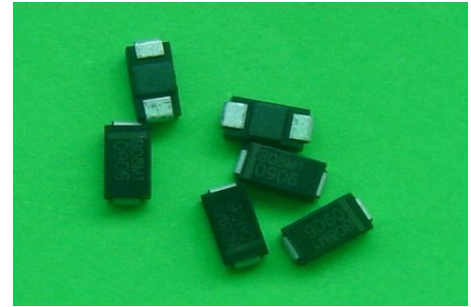
TSS Product Specification

BSxxxxM1 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
BS0300M1	25	5	40	800	4	1	50	80
BS0640M1	58	5	77	800	4	1	150	80
BS0800M1	75	5	98	800	4	1	150	80
BS1100M1	95	5	130	800	4	1	150	80
BS1800M1	160	5	220	800	4	1	150	80
BS2300M1	190	5	260	800	4	1	150	80
BS2600M1	220	5	300	800	4	1	150	60
BS3100M1	275	5	350	800	4	1	150	60
BS3500M1	320	5	400	800	4	1	150	60

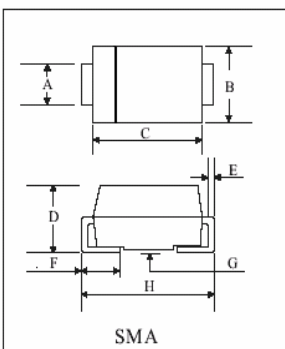
- ①、Vs is measured at 100KV/S
- ②、Off-state capacitance is measured in VDC=2V,VRMS=1V,F=1MHz
- ③、All measurements are made at an ambient temperature of 25°C
- ④、Rating Surge Current: 2KV(10/700μS) 50A (5/320μS)

3、PART NUMBERING SYSTEM

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

- (1) Bencent Semiconductor Surge Arrester
- (2) Series: 03, 06, 08, 11, 18, 23, 26, 31, 35 etc.
- (3) Package : M: SMA
- (4) Polarity: Unidirectional

4、DIMENSIONS AND MARKING



Size	A (mm)	B (mm)	C (mm)	D (mm)
SMA	1.29--1.70	2.18--2.79	4.06—4.57	1.70—2.31
Size	E (mm)	F (mm)	G (mm)	H (mm)
SMA	0.15—0.31	0.89—1.50	0.10.—0.20	4.70—5.31

MARKING:

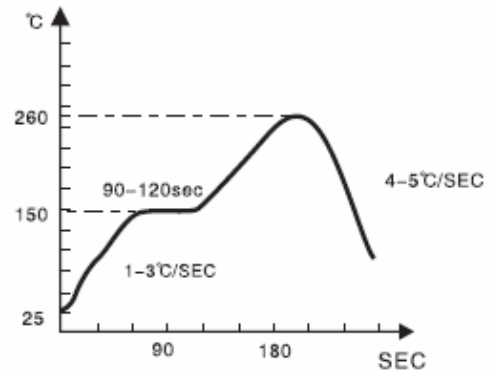
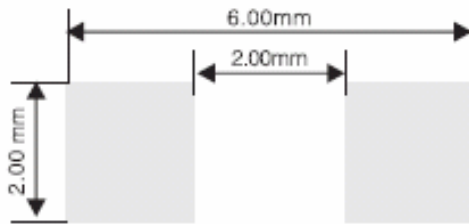
B08M1 Part Number
 0906 Production Date
 0906 means 6th month,2009

TSS Product Specification

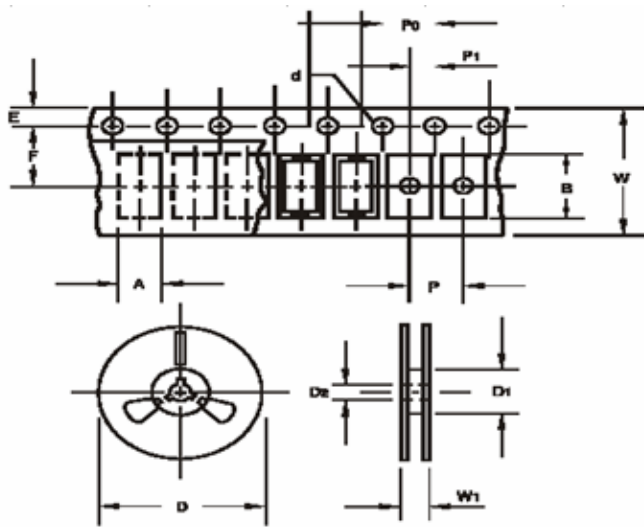
BSxxxxM1 Thyristor Surge Suppressor



5、RECOMMENDED SOLDERING PAD AND REFLOW PROFILE



6、PACKAGE REEL INFORMATION



SMA (DO-214AC)

REF.	mm(inch)
A	2.6+/-0.15(.102+/-0.006)
B	5.15+/-0.15(.203+/-0.006)
d	1.5+/-0.1(.059+/-0.004)
D	330.0(13.0)
D1	50Min
D2	13+/-0.5(.512+/-0.020)
E	1.5+/-0.1(.059+/-0.004)
F	5.65+/-0.05(.222+/-0.002)
P	4.0+/-0.1(.157+/-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	5,000	40,000	330	360	360	360

Remark:

Special Notes

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