

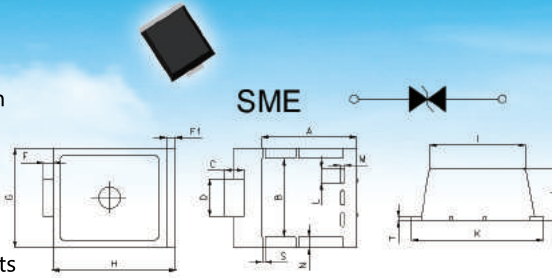
SME Product

新品宣告

New Product Announcement

Product Introduction

1. New-design package: SME.
2. High power TVS device, used for 5G base station power supply lightning protection, can replace Bourns PTVS 10-M series.
3. With environmentally friendly materials meeting RoHS standards.
4. Surface mount package meeting the requirements

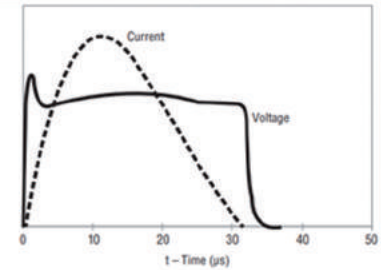


SME		
Dim	Min	Max
A	13.16	13.76
B	10.55	11.05
C	2.50	2.90
D	5.15	5.65
F1	1.20	1.40
F	1.20	1.40
G	13.45	14.60
H	15.50	16.05
J	6.94	7.24
K	18.1	18.5
L	1.9	2.1
M	0.4	0.6
N	1.4	1.6
T	0.35	0.55
S	0.35	0.45

Product Advantage

1. High Peak Pulse Current
IPP max: 10000A (8/20us Pulse)
IPP max: 800A (10/350us Pulse)
2. Glass passivation + SIPOS chip design, good high temperature characteristics and high reliability.
3. Multi-layer chip stacking + clip design, high integration and good performance.
4. Compared with the traditional MOV technology, the advanced silicon-based chip technology can still maintain a low clamping capacity under the conditions of high inrush current.

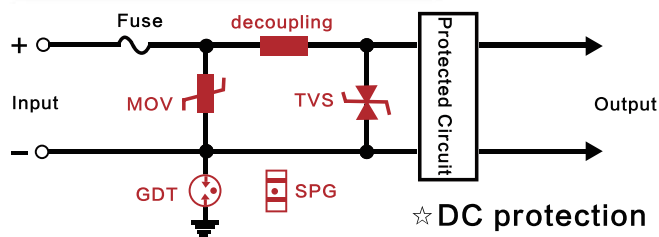
Typical Waveform Under Surge



Electrical Features

Part Number (Uni)	Breakdown Voltage VBR@IT			Maximum Reverse Leakage IR @VRWM (µA)	Working Peak Reverse Voltage VRWM (V)	Typical Capacitance 0V Bias 10kHz (nF)	Maximum Clamping Voltage Vc@ IPP(V)
	Min(V)	Max(V)	IT(mA)				
SMEJ76CA	85	95	10	5	76	6.5	135
SMEJ86CA	96	107	10	5	86	6.0	157

Application Circuit



Application



48V 5G Station Power Protection

