博业创信
BO YE CHUANG XIN

SMAJ3.3A

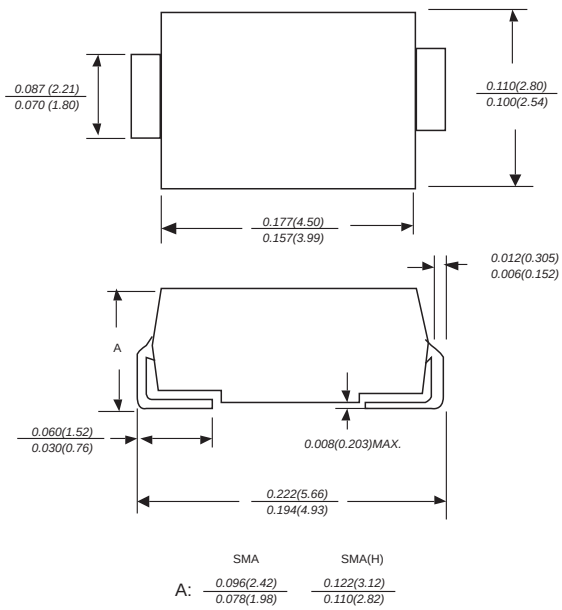
RoHS **Voltage Range:3.3 Volts** **Peak Pulse Power:400Watts**

Surface Mount Transient Voltage Suppressors (TVS)

Features

- Planar technology.
- Halogen-free and ROHS compliant.
- Stand-off voltage 3.3V.
- 400W peak pulse power capability at 10×1000μs waveform.
- Excellent clamping capability.
- Fast response time.

DO-214AC



Dimensions in inches and (millimeters)

Mechanical Data

- Case: SMA/DO-214AC, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.064 grams (approx.)

Maximum Ratings T_A = 25°Cunless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Parameter	Symbol	Value	Unit
Storage and operating junction temperature range	T_{STG}/T_J	-55 to +150	℃
Steady state power dissipation on infinite heat sink at T_L=75℃	$P_{M(AV)}$	3.0	W
Peak pulse power dissipation on 10/1000μs waveform	P_{PP}	400	W

Part Number	V_R	$I_R@V_R$	$V_{BR}@I_T$	I_T	$V_C@I_{PP}$	I_{PP}①	C_O②	Marking
	V	μA	V (min)	mA	V (max)	A (max)	pF(typ.)	
SMAJ3.3A	3.3	100	4.1	1	7.3	50	4100	KC

- Surge waveform: 10/1000μs
- C_O is measured at: V_{bias}=0V,V_{RMS}=1V,f=1MHz

RATINGS AND V-I CHARACTERISTICS CURVES (T_A=25℃, unless otherwise noted)

FIG.1: Pulse waveform

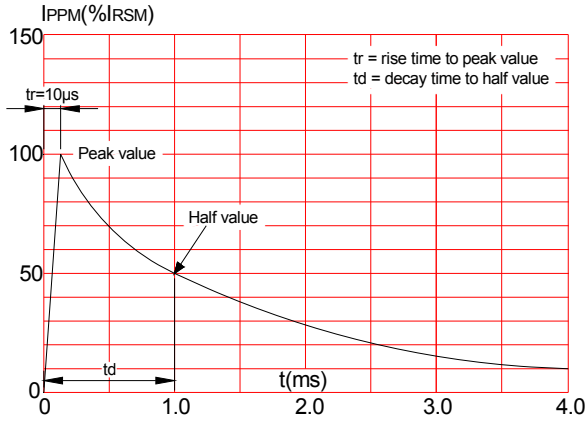
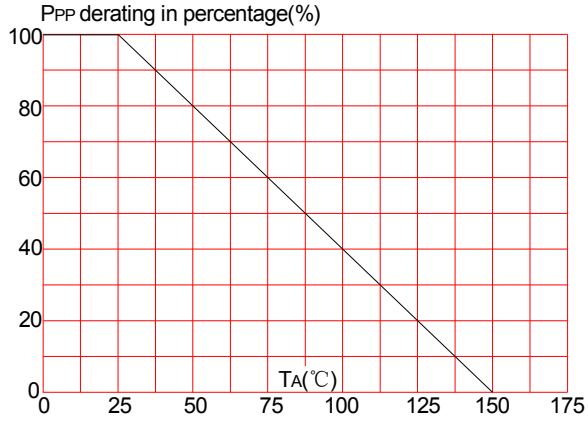


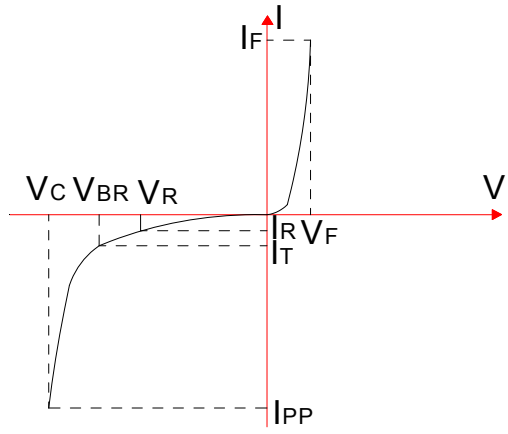
FIG.2: Pulse derating curve



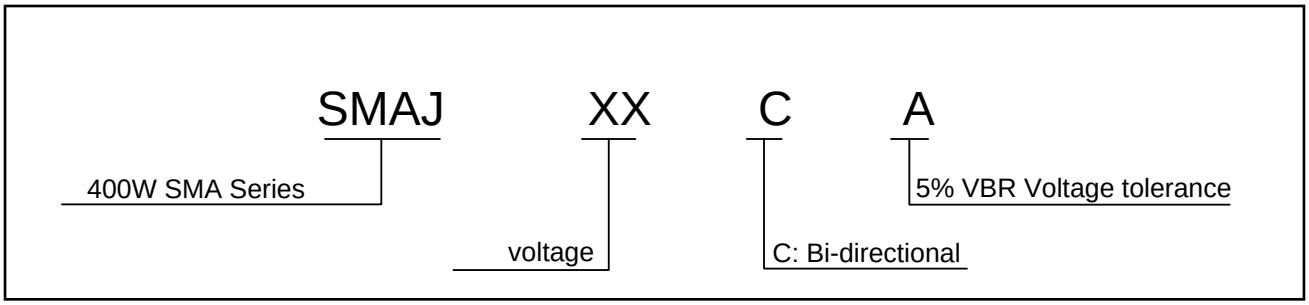
Maximum Ratings T_A = 25°C unless otherwise specified

Symbol	Parameter
V_R	Stand-off voltage
V_{BR}	Breakdown voltage
V_C	Clamping voltage
I_R	Off-state reverse leakage current
I_T	A specified reverse current
I_{PP}	A specified peak-pulse current
V_F	Forward voltage drop

I-V curve



Ordering Information



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