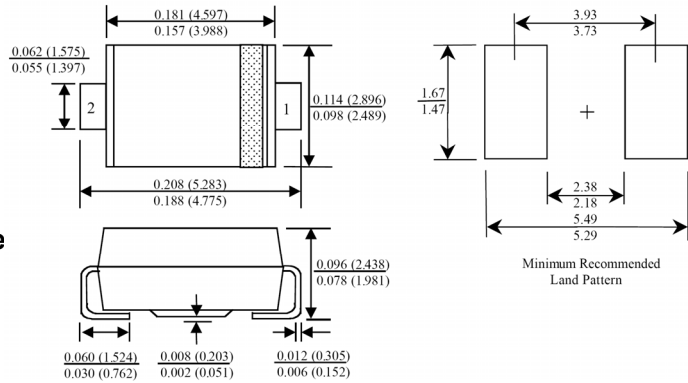


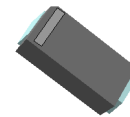
## FEATURES:

- 1.5 W Power Dissipation
- Zener Voltages from 3.3 – 200V
- High Surge Capability
- Standard Vz Tolerance is  $\pm 5\%$
- High temperature soldering guarantee  
260°C/10 seconds at terminals



## Mechanical Data

- Case: DO-214AC(SMA)
- Case Material: Molded Plastic
- Terminals: Lead Free Plating (Matte Tin Finish)
- Polarity: Cathode Notch or Cathode Band
- Weight: 0.064 grams (approximate)



## Maximum Ratings @TA=25°C unless otherwise specified

Characteristic	Symbol	Value	Unit
Forward Voltage @ IF = 200mA	VF	1.2	V
Power Dissipation	Pd	1500	mW
Thermal Resistance, Junction to Ambient Air	RθJA	125	°C/w
Operating and Storage Temperature Range	Tj, TSTG	-65 to +150	°C

## Electrical Characteristics @ TA = 25°C unless otherwise specified

Type number	Device marking code	Zener voltage	Test current	Dynamic impedance	Knee current	Knee impedance	Reverse current	Reverse voltage	Max.DC Current
		$V_Z$ V	$I_{ZT}$ mA	$Z_{ZT}$ $\Omega$	$I_{ZK}$ mA	$Z_{ZK}$ $\Omega$	$I_R(\text{Max.})$ $\mu\text{A}$	$V_R$ V	$I_{ZM}$ mA
SMAJ5913B	5913	3.3	113.6	10	1.0	500	100	1.0	455

- Notes: 1. Device mounted on FR-4 PCB, 1 inch x 0.85 inch x 0.062 inch; pad layout  
 2. Short duration test pulse used to minimize self-heating effect.