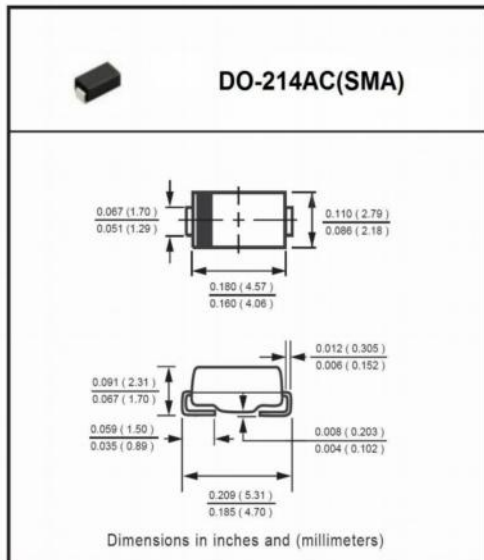




# SMAJ4739AQ

表面安装稳压二极管  
 稳压电压 3.0--100 V  
 功率 1.0 W

Surface Mount Zener Rectifiers  
 Reverse Voltage 3.0 to 100 V  
 Power 1.0 W



## Features

- Plastic package has Underwriters Laboratory Flammability Classification 94 V-0
- For surface mounted applications
- Low Zener impedance
- Low regulation factor
- High temperature soldering guaranteed: 260 °C/10 seconds at terminal
- Lead and body according with RoHS standard
- Standard voltage tolerance is 10 %, Suffix A ± 5 %
- AEC-Q101 qualified

## Mechanical Data

- Case: Molded plastic body
- Terminals: Solder plated
- Polarity: Color band denotes cathode end
- Mounting Position: Any

Absolute Maximum Ratings  $T_{amb} = 25\text{ }^{\circ}\text{C}$ , unless otherwise specified

Parameter	Test Conditions	Symbol	Value	Unit
Power dissipation	$T_L=75\text{ }^{\circ}\text{C}$	$P_{tot}$	1	W

Maximum Thermal Resistance  $T_{amb} = 25\text{ }^{\circ}\text{C}$ , unless otherwise specified

Parameter	Test Conditions	Symbol	Value	Unit
Junction temperature		$T_j$	150	$^{\circ}\text{C}$
Storage temperature range		$T_{stg}$	-65...+150	$^{\circ}\text{C}$

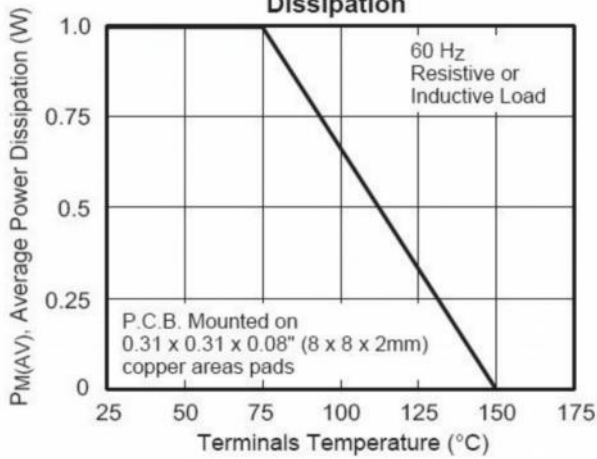




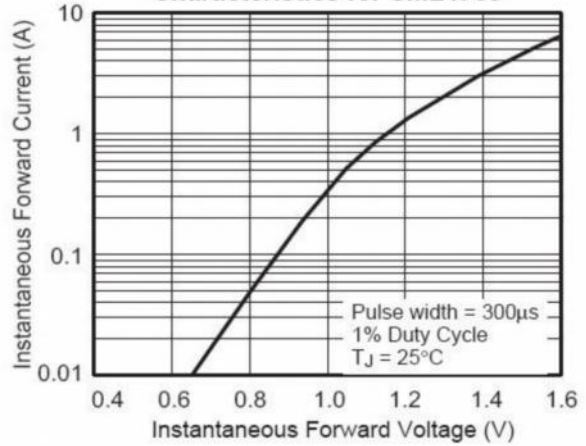
# SMAJ4739AQ

## Ratings and Characteristic Curves ( $T_A = 25^\circ\text{C}$ unless otherwise noted)

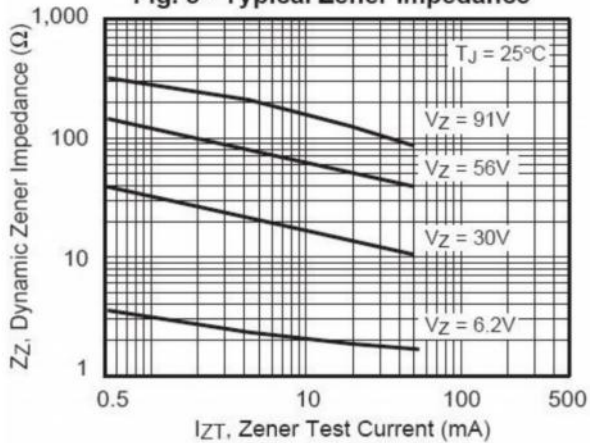
**Fig. 1 - Maximum Continuous Power Dissipation**



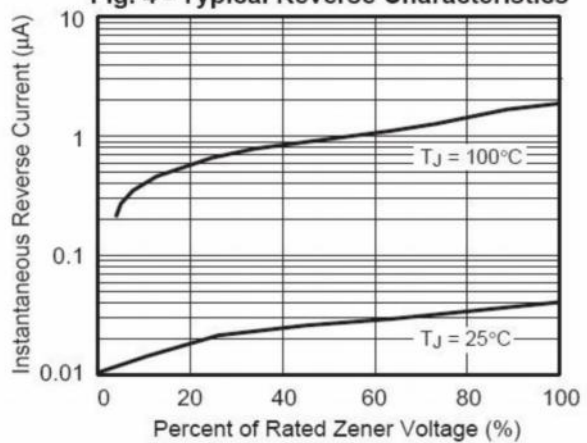
**Fig. 2 - Typical Instantaneous Forward Characteristics for SML4763**



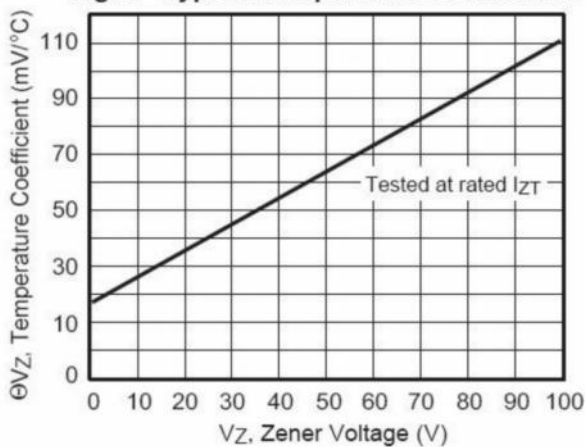
**Fig. 3 - Typical Zener Impedance**



**Fig. 4 - Typical Reverse Characteristics**

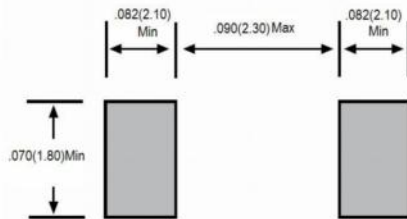


**Fig. 5 - Typical Temperature Coefficients**





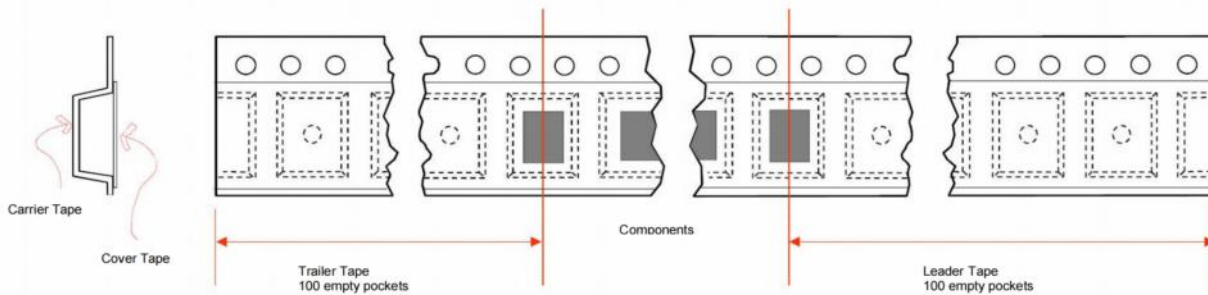
### Mounting Pad Layout



### Packing

Part number	Component Package	Quantity	Packaging Option
SMAJ4739AQ	DO-214AC SMA	5000	Tape & Reel – 12mm/13" tape

### DO-214AC(SMA) Tape Leader and Trailer Configuration



### Tape and Reel Specification

