



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 s at terminals



DO-214AC (SMA)

Absolute Maximum Ratings (T_{amb} = 25 °C, unless otherwise specified)

Parameter	Test Condition	Symbol	Value	Unit
Power dissipation	T _L = 75 °C	P _{tot}	1	W
Junction temperature		T _j	150	°C
Storage temperature range		T _{stg}	-65 to +150	°C

Electrical Characteristics (T_{amb} = 25 °C, unless otherwise specified)

Part Number	Marking Code	Zener Voltage Range	Test Current		Reverse Current		Dynamic Resistance		Surge Current ⁽¹⁾
		V _Z at I _{ZT1}	I _{ZT1}	I _{ZT2}	I _R at V _R		Z _Z at I _{ZT1}	Z _{ZK} at I _{ZT2}	I _{RM}
		V	mA		μA	V	Ω		mA _{pk}
		NOM.			MAX.		MAX.	MAX.	MAX.
SML4736-E3/61	6P8	6.8	37	1	10	4	3.5	700	660

Note

⁽¹⁾ Surge current is a non-repetitive, 8.3 ms pulse width square wave or equivalent sine-wave superimposed on I_{ZT} per JEDEC® method



Basic Characteristics ($T_{amb} = 25^\circ\text{C}$, unless otherwise specified)

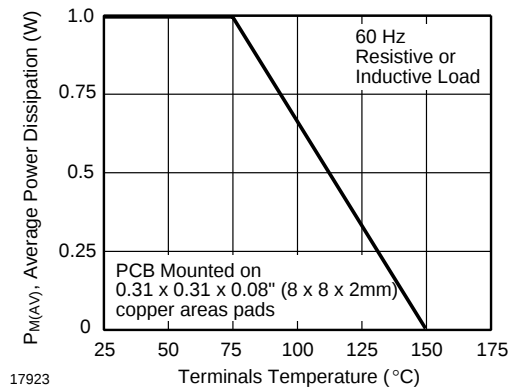


Fig. 1 - Maximum Continuous Power Dissipation

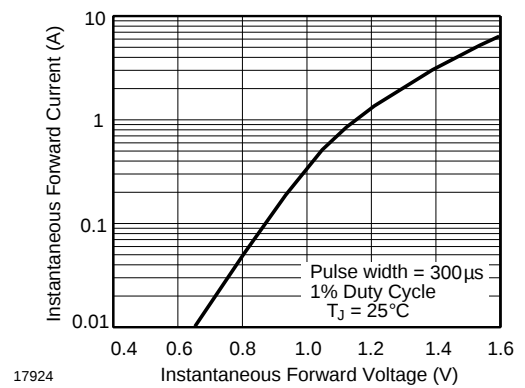


Fig. 4 - Typical Instantaneous Forward Characteristics

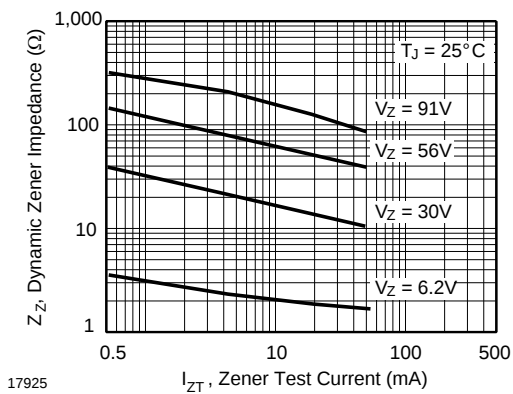


Fig. 2 - Typical Zener Impedance

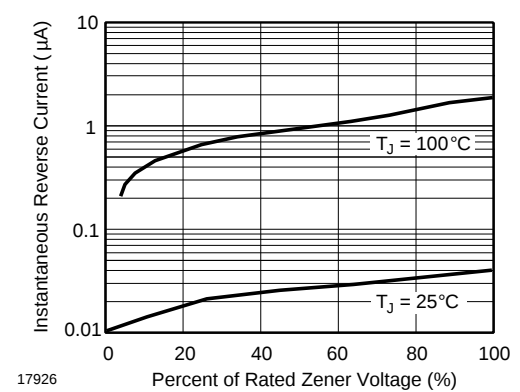


Fig. 5 - Typical Reverse Characteristics

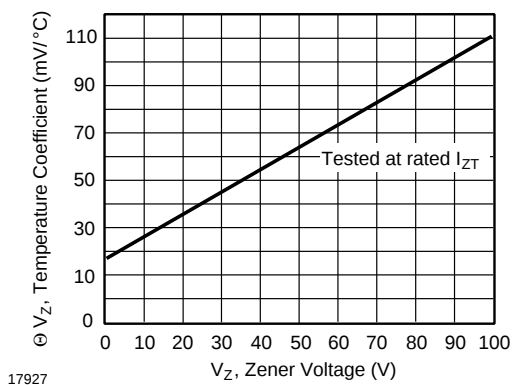
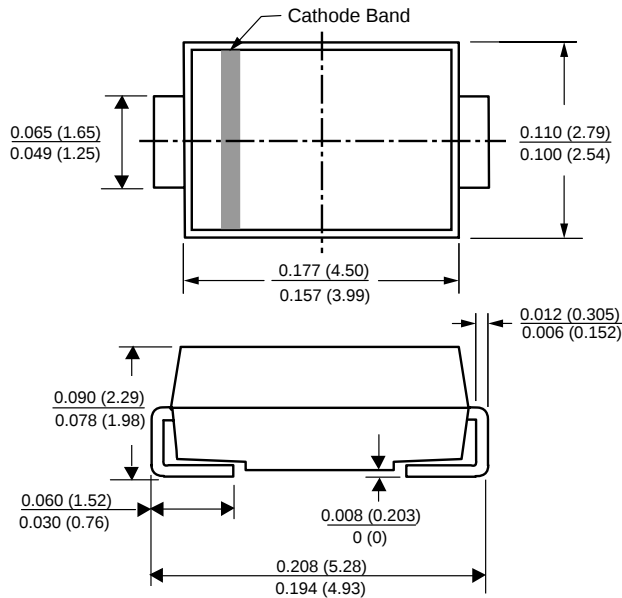


Fig. 3 - Typical Temperature Coefficients

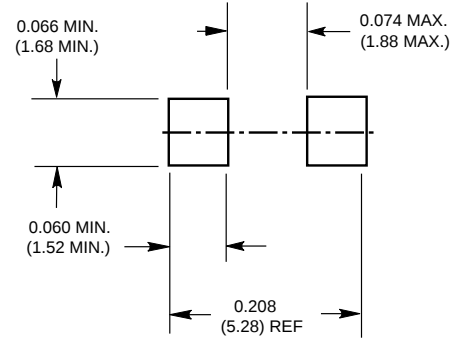


Package Outline Dimensions in inches (millimeters)

DO-214AC (SMA)



Mounting Pad Layout





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