

## **Features**

- Pb-Free Packages are Available
- Wide Zener Reverse Voltage Range
- Small Package Size for High Density Applications
- ESD Rating of Class 3 (>16 kV) per Human Body Model



**SOD-123** 

**Package Marking and Ordering Information** 

	0 0		
Product ID	Pack	Brand	Qty(PCS)
MMSZ4689T1G	SOD-123	HXY MOSFET	3000



**Absolute Maximum Ratings(Ta=25°C)** 

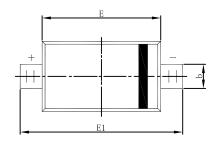
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Characteristic	Symbol	Value	Unit
Forward voltage @I <sub>F</sub> =10mA	V <sub>F</sub>	0.9	V
Power Dissipation	$P_{D}$	350	mW
Thermal Resistance, Junction to Ambient Air	$R_{\theta JA}$	357	°C/W
Junction Temperature	Τį	150	°C
Storage Temperature Range	T <sub>stg</sub>	-55 ~ +150	°C

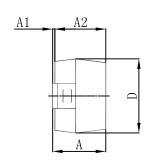
Notes: Device mounted on ceramic PCB;5.0mm×7.0mm with pad areas 35 mm<sup>2</sup>

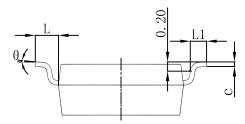
# Electrical Characteristics (Ta=25°C unless otherwise specified)

1)6\/(C6		Zoner Voltage			Leakage Current		
	Device Marking	V <sub>z</sub> (Volts)		@I <sub>zT</sub>	$I_R@V_R$		
		Min	Nom	Max	uA	uA	Volts
MMSZ4689T1G	CU	4.85	5.1	5.36	50	10	3

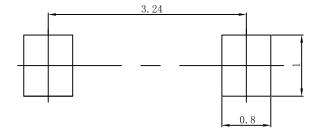
## **SOD-123 Package Outline Dimensions**







Symbol	Dimensions	In Millimeters	Dimensions In Inches		
	Min	Max	Min	Max	
Α	1.050	1.250	0.041	0.049	
A1	0.000	0.100	0.000	0.004	
A2	1.050	1.150	0.041	0.045	
b	0.450	0.650	0.018	0.026	
С	0.080	0.150	0.003	0.006	
D	1.500	1.700	0.059	0.067	
Е	2.600	2.800	0.102	0.110	
E1	3.550	3.850	0.140	0.152	
L	0.500	0.500 REF		REF	
L1	0.250	0.450	0.010	0.018	
θ	0°	8°	0°	8°	



#### Note:

- 1. Controlling dimension:in millimeters.
- 2.General tolerance:± 0.05mm.
- 3. The pad layout is for reference purposes only.



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