



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

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

Absolute Maximum Ratings(Ta=25°C)

Characteristic	Symbol	Value	Unit
Forward voltage @I _F =10mA	V _F	0.9	V
Power Dissipation	P _D	350	mW
Thermal Resistance, Junction to Ambient Air	R _{θJA}	357	°C/W
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	-55 ~ +150	°C

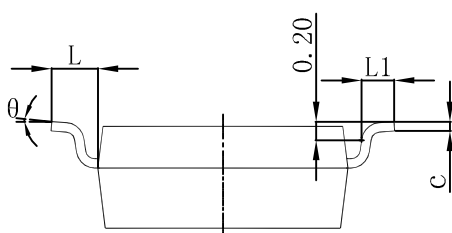
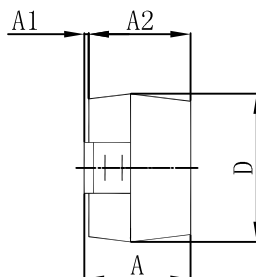
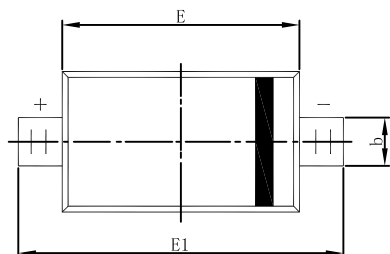
Notes: Device mounted on ceramic PCB;5.0mm×7.0mm with pad areas 35 mm²

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

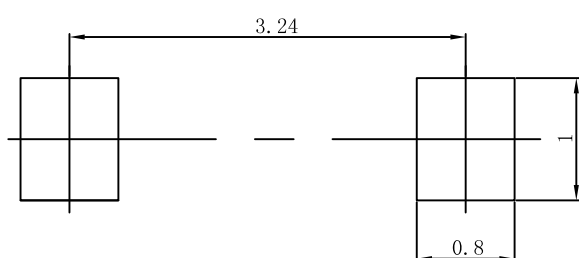
Device	Device Marking	Zener Voltage				Leakage Current	
		V _Z (Volts)			@I _{ZT}	I _R @V _R	
		Min	Nom	Max	uA	uA	Volts
MMSZ4689T1G	CU	4.85	5.1	5.36	50	10	3



SOD-123 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	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
c	0.080	0.150	0.003	0.006
D	1.500	1.700	0.059	0.067
E	2.600	2.800	0.102	0.110
E1	3.550	3.850	0.140	0.152
L	0.500 REF		0.020 REF	
L1	0.250	0.450	0.010	0.018
θ	0°	8°	0°	8°



Note:
1. Controlling dimension: in millimeters.
2. General tolerance: $\pm 0.05\text{mm}$.
3. The pad layout is for reference purposes only.



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