

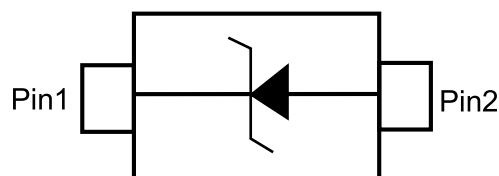
1.Features

- Peak Reverse Working Voltage: 5V
- Low leakage current
- High ESD protection Level: >+/-15KV per HBM
- IEC61000-4-2 Level 4 ESD Protection
- IEC61000-4-4 Level 4 EFT Protection

2.Applications

- Cell phone handsets and accessories
- Personal Digital Assistants (PDAs)
- Notebooks, Desktops, and Servers
- Portable Instrumentation
- Digital Cameras
- MP3/MP4/PMP Players

3.Pinning information



SOD-523

4.Absolute Ratings ($T_A=25^{\circ}\text{C}$, unless otherwise noted)

Parameter	Symbol	Value	Units
Maximum peak pulse current ($t_p=8/20\mu\text{s}$)	I_{PP}	9	A
ESD Per IEC61000-4-2(Air)	V_{PP}	± 15	kV
ESD Per IEC61000-4-2(Contact)		± 10	kV
Maximum lead temperature for soldering during 10s	T_L	260	$^{\circ}\text{C}$
Storage temperature range	T_{STG}	-55 to 150	$^{\circ}\text{C}$
Junction Temperature range	T_{OP}	-55 to 150	$^{\circ}\text{C}$



5.Electrical Characteristic (T_A=25°C unless otherwise noted)

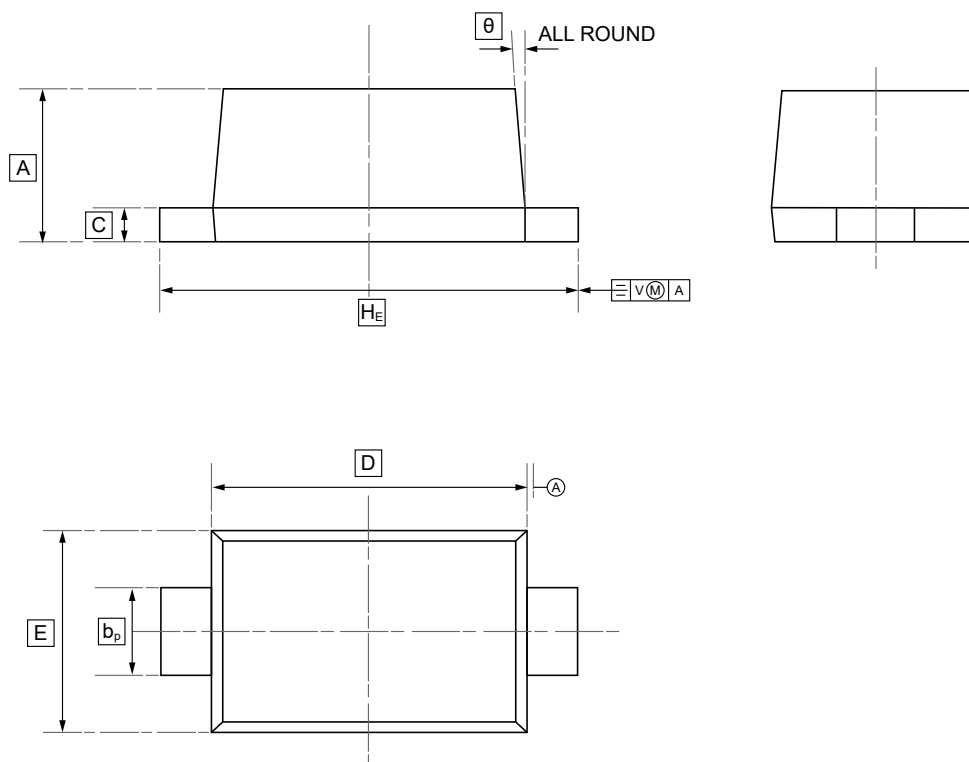
P/N	V _{RWM} (V)	I _R (μA) @ V _{RWM}	V _{BR} (V) @ I _T (Note 2)	I _T	C (pF)		V _C (V) @ I _{pp} =1A	V _C
	Max	Max	Min	mA	Typ	Max	Max	Per IEC61000-4-2
ESD5Z5V0C	5	1	6.2	1	0.5	0.9	8	10

Notes:

V_{BR} is measured with a pulse test current I_T at an ambient temperature of 25°C.



6.SOD-523 Package Outline Dimensions

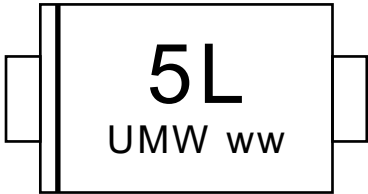


DIMENSIONS (mm are the original dimensions)

Symbol	A	b _p	C	D	E	H _E	θ
Min	0.58	0.3	0.100	1.15	0.75	1.5	5°
Max	0.68	0.4	0.135	1.25	0.85	1.7	



7.Ordering information



ww: Batch Code

Order Code	Package	Base QTY	Delivery Mode
UMW ESD5Z5VU	SOD-523	3000	Tape and reel



8.Disclaimer

UMW reserves the right to make changes to all products, specifications. Customers should obtain the latest version of product documentation and verify the completeness and currency of the information before placing an order.

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