

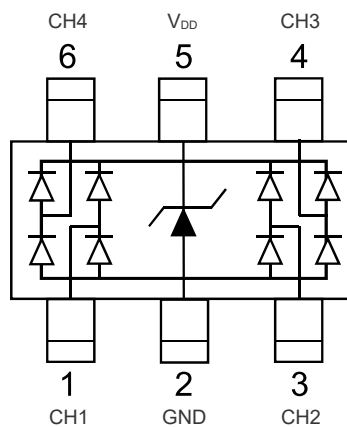
1. Description

- – IEC 61000-4-2 (ESD) immunity test
 - Air discharge: $\pm 15\text{kV}$
 - Contact discharge: $\pm 10\text{kV}$
- IEC61000-4-4 (EFT) 40A (5/50ns)
- IEC61000-4-5 (Lightning) 5A (8/20 μs)
- Ultra low leakage: nA level
- Operating voltage: 5V
- Low clamping voltage

2. Applications

- USB 2.0 power and data line
- Set-top box and digital TV
- Digital video interface (DVI)
- Notebook Computers
- SIM Ports

3. Pinning information



SOT23-6



4. Absolute Maximum Ratings $T_A = 25^\circ\text{C}$

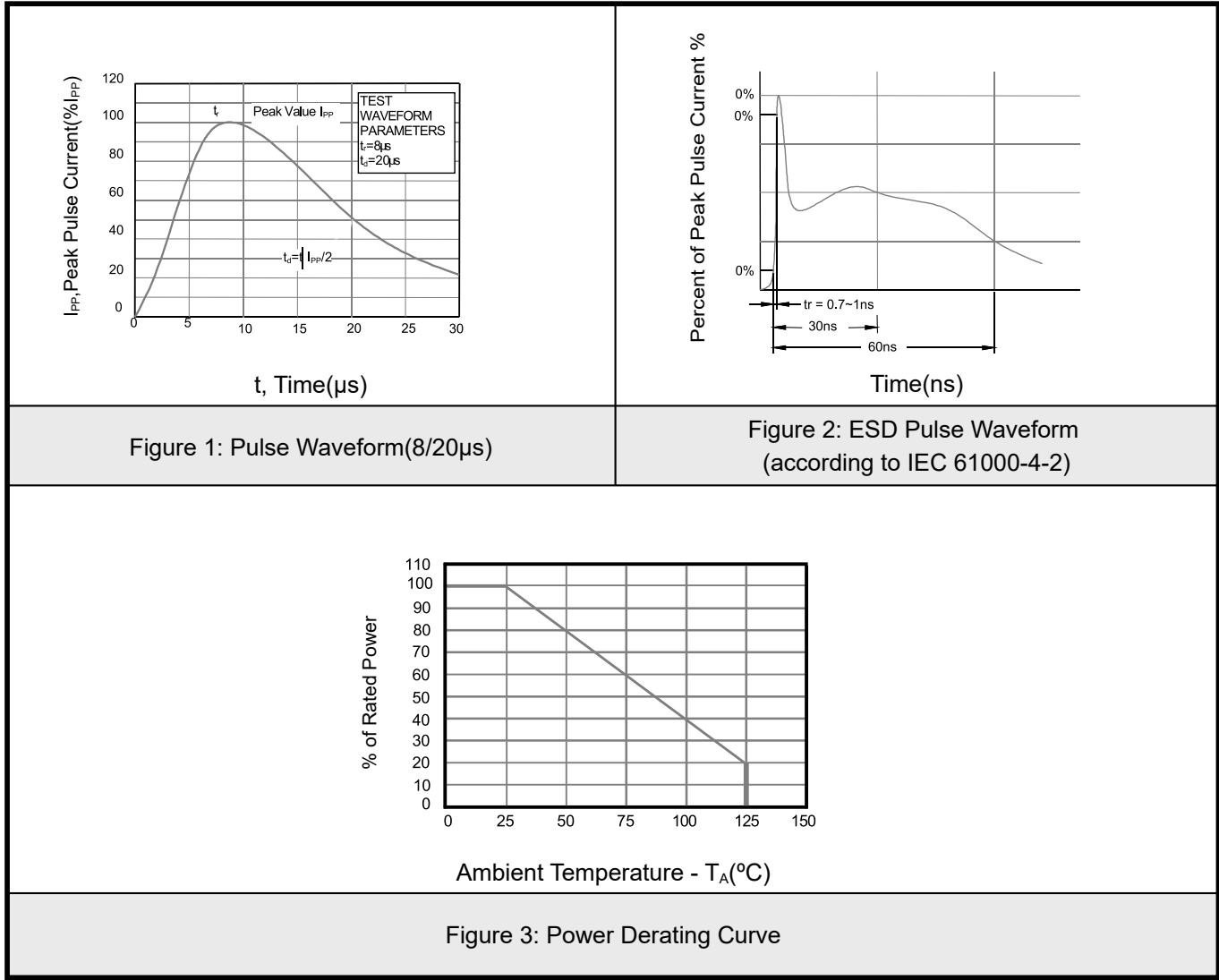
Parameter	Symbol	Value	Units
Peak Pulse Power ($t_p = 8/20\mu\text{s}$)	P_{PP}	80	W
ESD per IEC 61000-4-2 (Air)	V	± 15	kV
ESD per IEC 61000-4-2 (Contact)		± 10	kV
Junction Temperature	T_J	-55 to 125	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-55 to 1250	$^\circ\text{C}$

5. Electrical Characteristic ($T_A = 25^\circ\text{C}$ unless otherwise noted)

P/N	$V_{RWM}(V)$	$V_{BR}(V)$	$I_T(mA)$	$V_C@1A$	V_C		$I_R(\mu A)$ (Max)	C(Pf) (Typ)
					(Max)	(@A)		
RCLAMP0504S	5	6	1	12	16	5	1	0.6

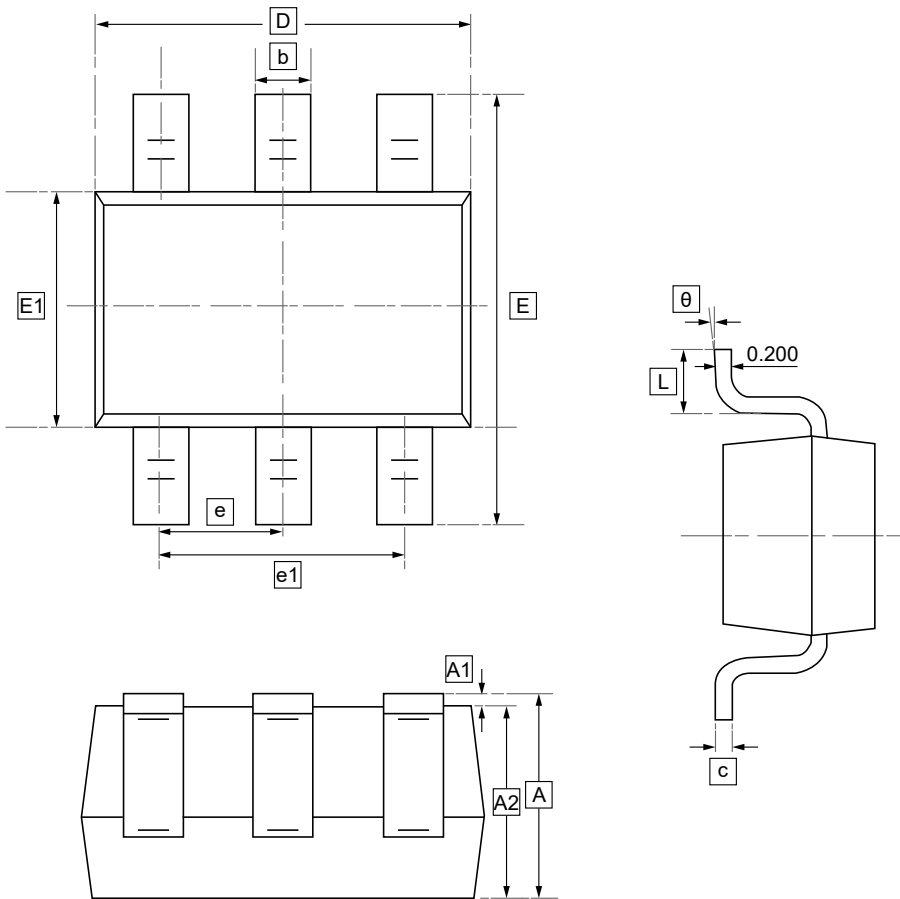


6. Typical characteristic





7.SOT-23-6 Package Outline Dimensions

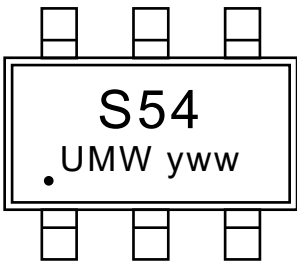


DIMENSIONS (mm are the original dimensions)

Symbol	A	A1	A2	b	c	D	E1	E	e	e1	L	θ
Min	1.050	0.000	1.050	0.300	0.100	2.820	1.500	2.650	0.950	1.800	0.300	0°
Max	1.250	0.100	1.150	0.500	0.200	3.020	1.700	2.950	BSC	2.000	0.600	8°



8.Ordering information



yww: Batch Code

Order Code	Package	Base QTY	Delivery Mode
UMW RCLAMP0504S	SOT23-6	3000	Tape and reel



9.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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