

7 U H Q F K 0 2 6 % D U U L H U 6 F K R W W N \ 5 H

### Features

- Advanced trench technology
- Low forward voltage drop
- Low power losses
- High efficiency operation
- Lead Free Finish, RoHS Compliant

### Applications

- DC/DC Converters
- AC/DC Adaptors
- Switching Power Supplies
- Freewheeling Diodes

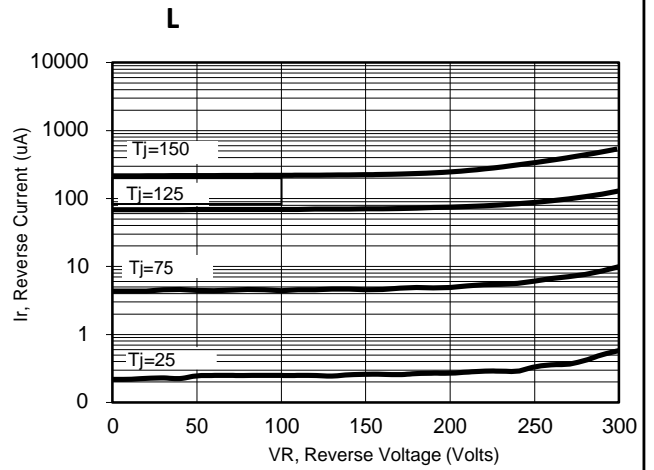
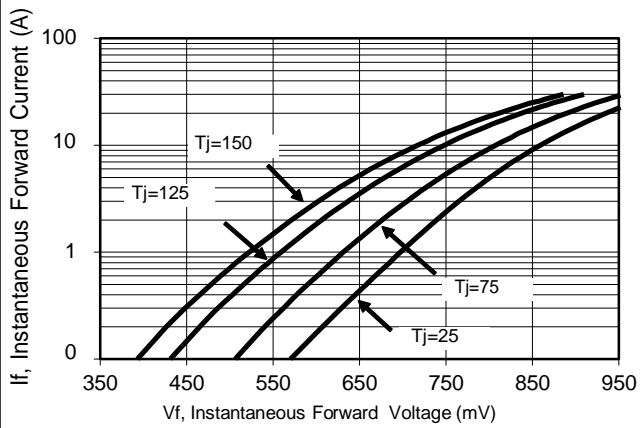
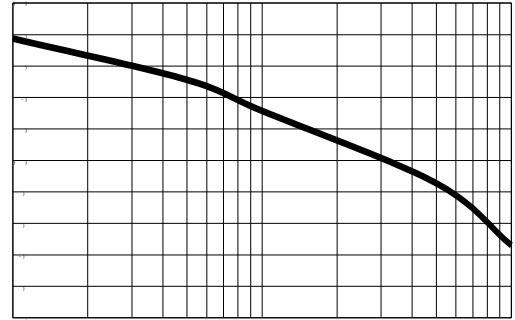
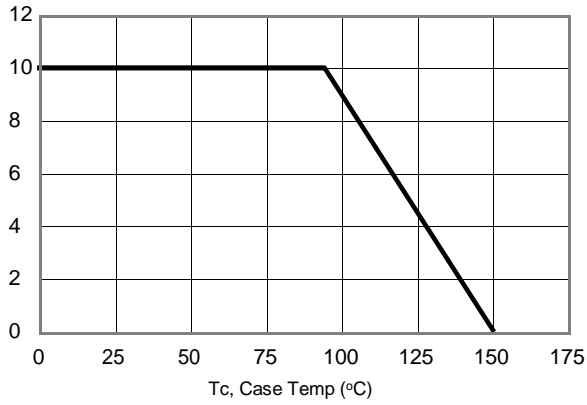
### Maximum ratings and electrical characteristics (T<sub>J</sub> = 25°C unless otherwise noted)

Parameter	Symbol	Limit	Unit
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Notes:

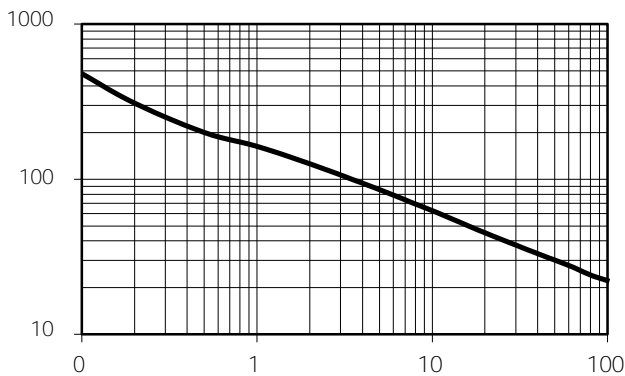
3 X O V H W H V W 3 X O V H Z L G W K G X W \ F \ F O H  
3 X O V H W H V W 3 X O P W H Z L G W K 0

### RATINGS AND CHARACTERISTICS CURVES



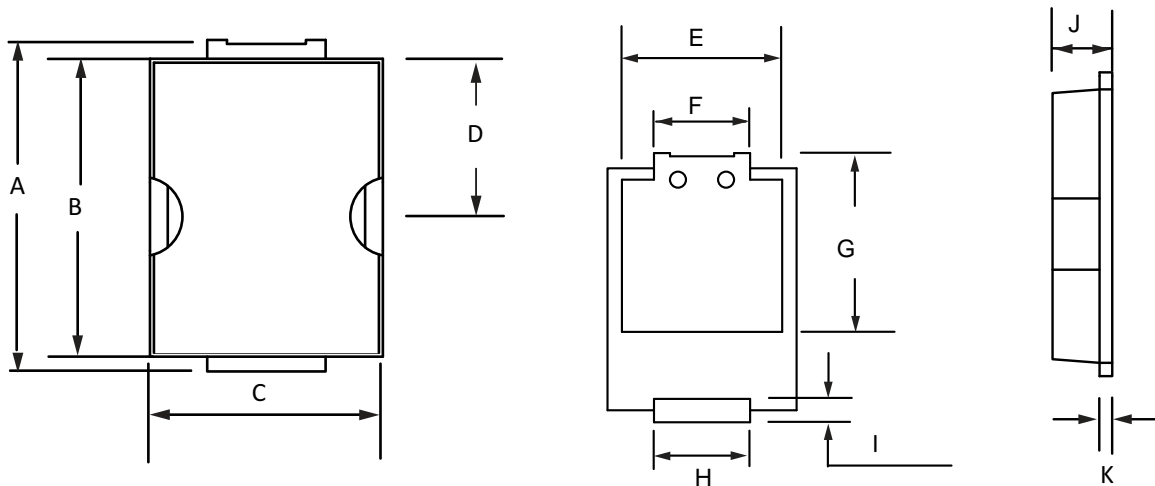
P

L



## PACKAGE OUTLINE DIMENSIONS

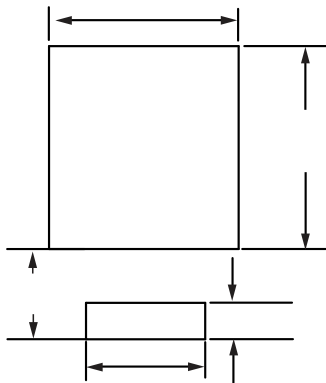
### SMP6



### SMP6 mechanical data

UNIT		A	B	C	D	E	F	G	H	I	J	K
mm	max	8.6	7.75	6.1	4.2	5.2	3.2	5.68	3.2	0.93	1.85	0.45
	min	8.0	7.35	5.7	3.8	4.8	2.8	5.28	2.8	0.53	1.45	0.25
mil	max	338.5	305.1	240.1	165.3	204.7	126.0	223.6	126.0	36.6	72.8	17.7
	min	314.9	289.3	224.4	149.6	188.9	110.2	207.8	110.2	20.8	57.1	9.8

### SMP6 Suggested Pad Layout



UNIT		L	M	N	O	P
mm	min	5.40	5.78	1.0	3	1.8
mil	min	212.6	227.5	39.3	133.8	70.8