



P0080TB

主要参数 MAIN CHARACTERISTICS

IPP	80A
VDRM	6V
VBO	25V
IH	30mA

用途

- 安防领域室内监控系统
的雷击防护

APPLICATIONS

- Security field of indoor monitoring
system from damaging overvoltage
transients

产品特性

- 低漏电流
- 高浪涌能力
- 电压一致性高
- 环保产品

FEATURES

- Low Leakage (Transparent)
- High Surge Current
Capabilities
- Precise Turn on Voltages
- These are Pb-Free Devices

封装 Package

**SMB**

订货信息 ORDER MESSAGE

订货型号 Order code	印记 Marking	封装 Package	无卤素 Halogen Free	包装 Packaging
P0080TB-R-K-B-A	P080TB	SMB	是 YES	编带 Tape





电特性 ELECTRICAL CHARACTERISTIC

项 目 Parameter	测试条件 Tests conditions	最小值 Value(min)	典型值 Value(typ)	最大值 Value(max)	单位 Unit
$V_{DRM(BR)}$	$I_R=0.5mA$	6	-	-	V
I_{DRM}	$V_{DRM(BR)}=6.0V$	-	-	5	μA
V_T	$I_T=2.2A$	-	-	4	V
I_H	$V_T=5V$	30	-	-	mA
$V_{BO(S)}$	电压上升率: $100V/\mu s$	-	-	25	V
IPP	10/1000us 波形条件下测试	80	-	-	A
C	1MHZ、2V	-	85	-	pF

注释：上述额定参数测试均在 $T_A = 25^{\circ}C$ 条件下测试获得。

Note: the above rated parameters test in $T_A = 25^{\circ}C$ under the condition of test.

浪涌等级 SURGE RATINGS

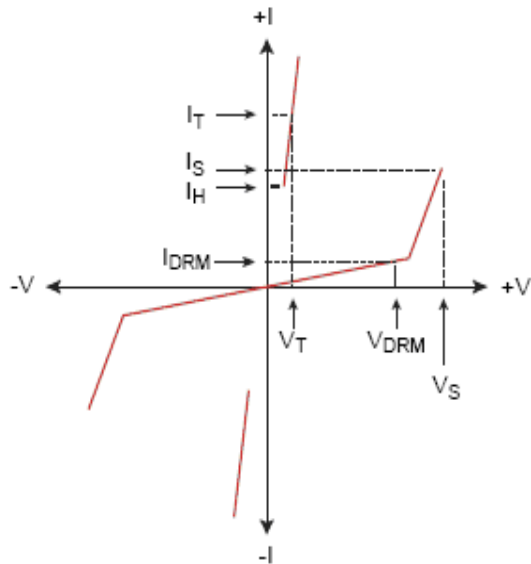
Series 系列	IPP $2 \times 10\mu s$ Amps	IPP $8 \times 20\mu s$ Amps	IPP $10 \times 160\mu s$ Amps	IPP $10 \times 560\mu s$ Amps	IPP $10 \times 1000\mu s$ Amps
B	250	250	150	100	80



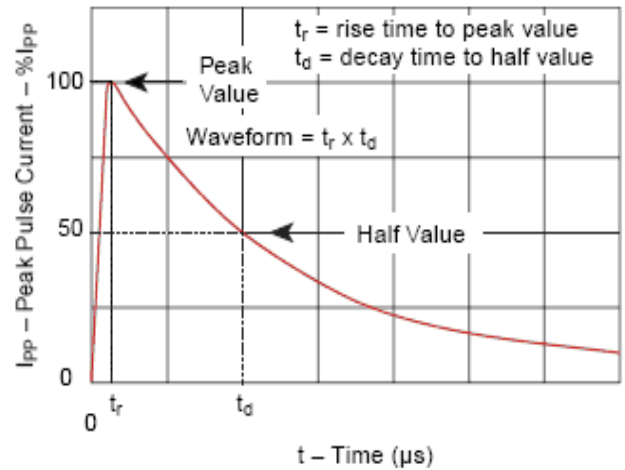
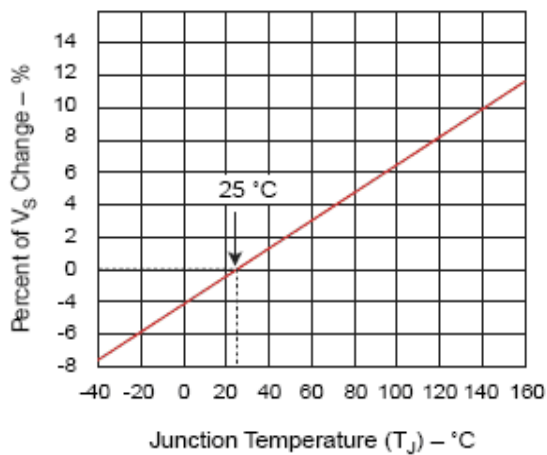


特征曲线 ELECTRICAL CHARACTERISTICS (curves)

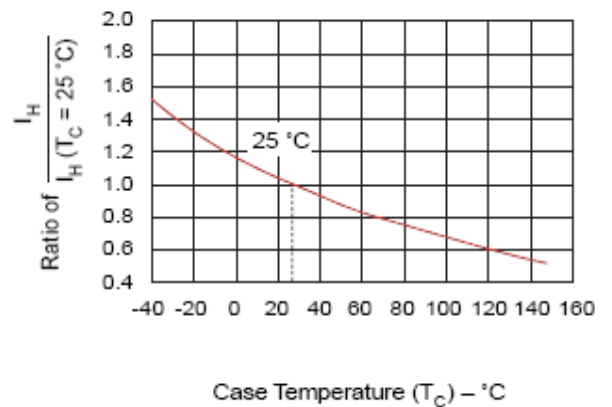
V-I Characteristics



tr x td Pulse Waveform

Normalized V_S Change vs. Junction Temperature

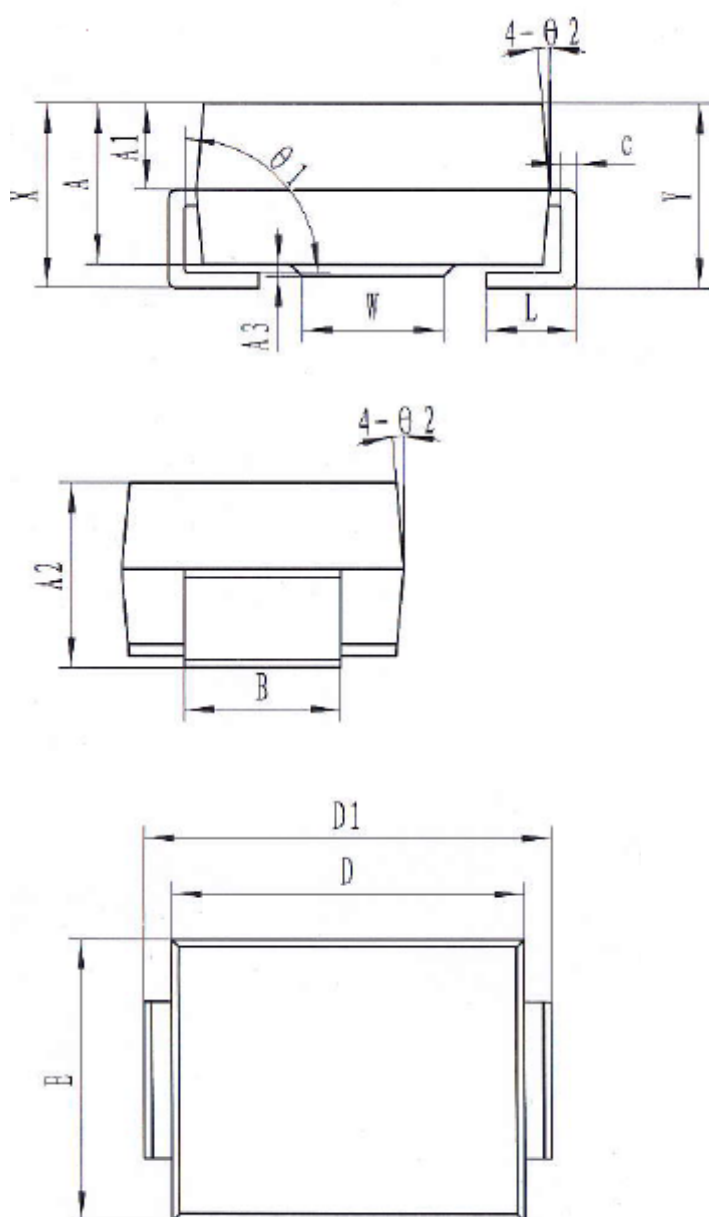
Normalized DC Holding Current vs. Case Temperature





外形尺寸 PACKAGE MECHANICAL DATA

SMB



SYMBOL	MM		
	MIN	NOM	MAX
*A	1.95	2.05	2.15
A1	1.00	1.10	1.20
A2	2.10	2.35	2.60
A3	0.10	0.15	0.20
*B	1.85	2.00	2.15
*C	0.15	0.20	0.25
*D	4.35	4.50	4.65
D1	4.95	5.20	5.45
*E	3.45	3.60	3.75
*L	0.80	1.15	1.50
W	1.65	1.80	1.95
θ1	80°	90°	100°
θ2	3°	5°	7°
*X-Y	-0.25	0	0.25
带*为检验尺寸			



**注意事项**

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3. 在电路设计时请不要超过器件的绝对最大额定值，否则会影响整机的可靠性。
4. 本说明书如有版本变更不另外告知

NOTE

1. Jilin Sino-microelectronics co., Ltd sales its product either through direct sales or sales agent , thus, for customers, when ordering , please check with our company.
2. We strongly recommend customers check carefully on the trademark when buying our product, if there is any question, please don't be hesitate to contact us.
3. Please do not exceed the absolute maximum ratings of the device when circuit designing.
4. Jilin Sino-microelectronics co., Ltd reserves the right to make changes in this specification sheet and is subject to change without prior notice.

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附录（Appendix）：修订记录（Revision History）

日期 Date	旧版本 Last Rev.	新版本 New Rev.	修订内容 Description of Changes

