

修订记录 / Revised record

	! " #	\$! % & '	! () % * +	, -	. /
G	□ □ 2	0 2 &	$V_{GS(th)}$ 的测试条件原先为: $V_{DS}=10V$ $I_D=1mA$ 改成: $V_{DS}=V_{GS}$ $I_D=250\mu A$	1 2 3	4 5 6
0			7 8 9 : ; < = > ? @ A < = B C	D E	4 5 6
	2		VTH 英文描述 Drain-Source Diode Forward Voltage 更正为 Gate Threshold Voltage	D E	

描述 / Descriptions

SOT-23 F G G H N I J MOS K L M N ON-CHANNEL MOSFET in a SOT-23 Plastic Package.

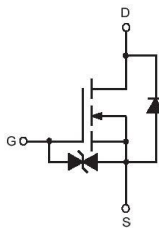
特征 / Features

P Q % R - S T U V W X Y Z % [\ V W O] V ^ _ ` O < = B C O
Sensitive gate trigger current and Low Holding current.ESD protected up to 1KV. HF product.

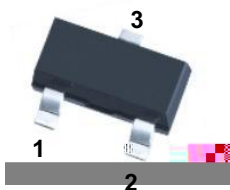
用途 / Applications

a b c d % e f X g h R - O
Intended for use in general purpose switching and phase control applications.

内部等效电路 / Equivalent Circuit



引脚排列 / Pinning



PIN 1 i G PIN 2 i S PIN 3 i D

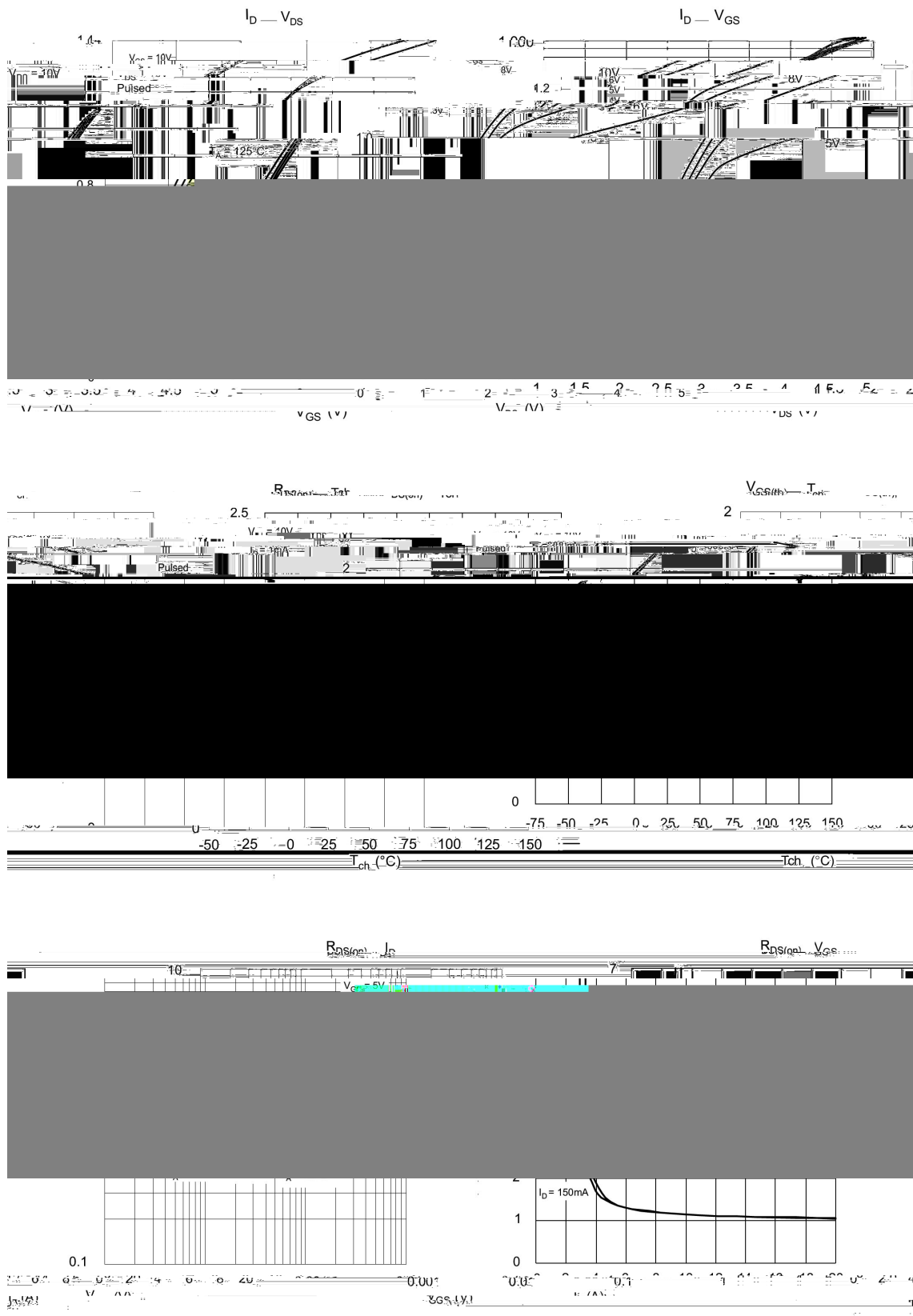
印章代码 / Marking

Marking	H702
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2N7002K1
Rev.I May.-2022

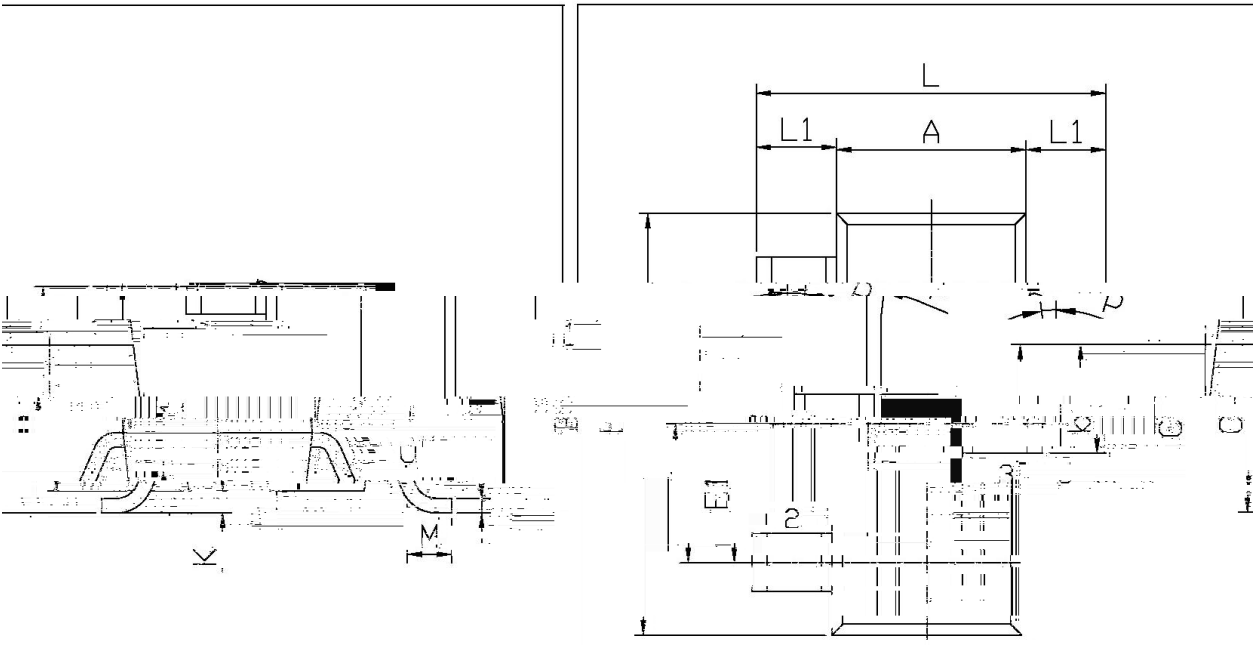
DATA SHEET

电参数曲线图 / Electrical Characteristic Curve



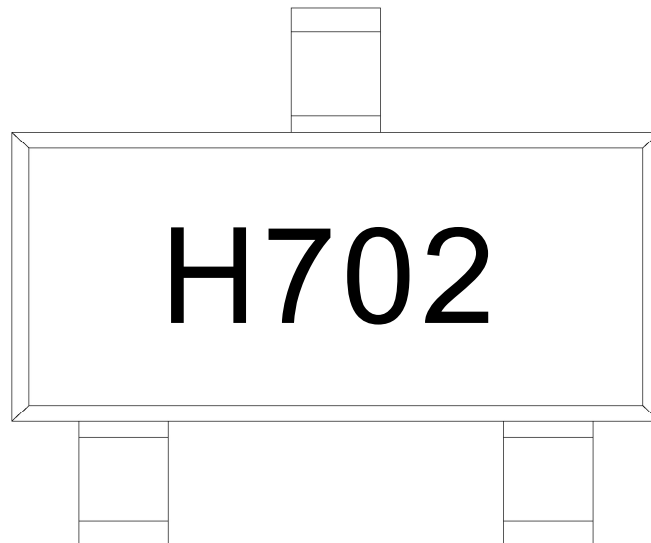
外形尺寸图 / Package Dimensions

单位: 毫米 (mm)



Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
L	2.2	2.7	C	1.30Max	
L1	0.45	0.65	E1	0.90	1.20
A	1.15	1.50	c	0.05	0.20
B	2.70	3.10	K	0	0.10
D	1.70	2.10	P	7°	
E1	0.85	1.05			
b	0.35	0.55			

印章说明 / Marking Instructions



y z i

H i { | } ~ '

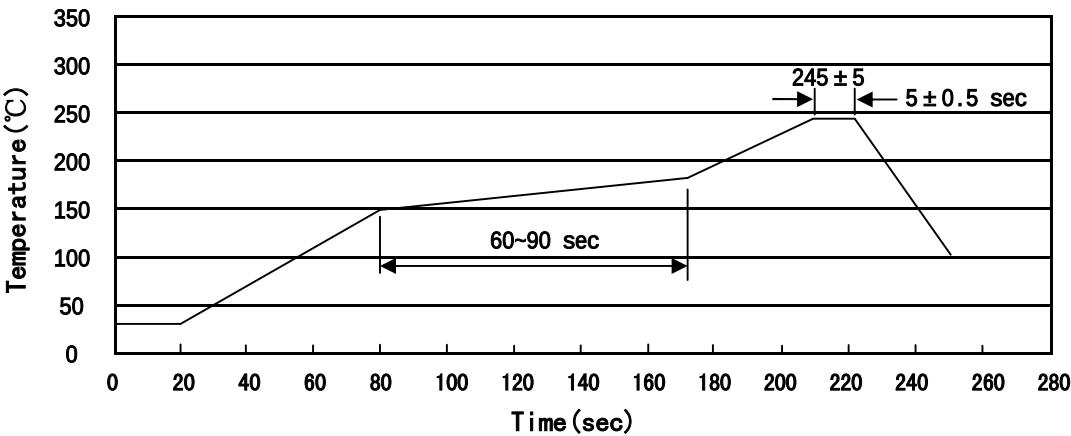
702 i { w m ~ '

Note:

H: Company Code

702: Product Type

回流焊温度曲线图(无铅) / Temperature Profile for IR Reflow Soldering(Pb-Free)



说明：

- 1、预热温度 150 ~ 180°C，时间 60 ~ 90sec;
- 2、峰值温度 245±5°C，时间持续为 5±0.5sec;
- 3、焊接制程冷却速度为 2 ~ 10°C/sec.

Note:

- 1.Preheating:150~180°C, Time:60~90sec.
- 2.Peak Temp.:245±5°C, Duration:5±0.5sec.
3. Cooling Speed: 2~10°C/sec.

耐焊接热试验条件 / Resistance to Soldering Heat Test Conditions

温度：260±5°C 时间：10±1 sec. Temp.:260±5°C Time:10±1 sec

包装规格 / Packaging SPEC.

卷盘包装 / REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOT-23	3,000	10	30,000	6	180,000	7" ×8	180×120×180	390×385×205

使用说明 / Notices