

/ Descriptions

SOT-523 N MOS
N-CHANNEL MOSFET in a SOT-523 Plastic Package.

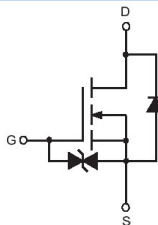
/ Features

Sensitive gate trigger current and Low Holding current.ESD protected up to 2KV,HF Product.

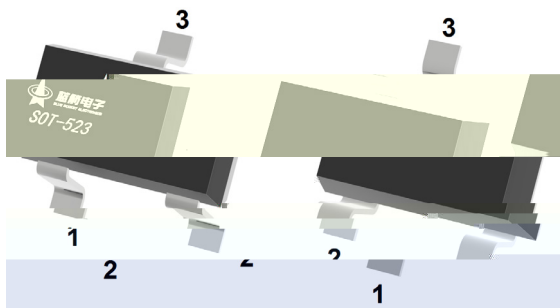
/ Applications

Intended for use in general purpose switching and phase control applications.

/ Equivalent Circuit



/ Pinning



PIN1 G PIN 2 S PIN 3 D

/ Marking

Marking	K72
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/ Electrical Characteristic Curve

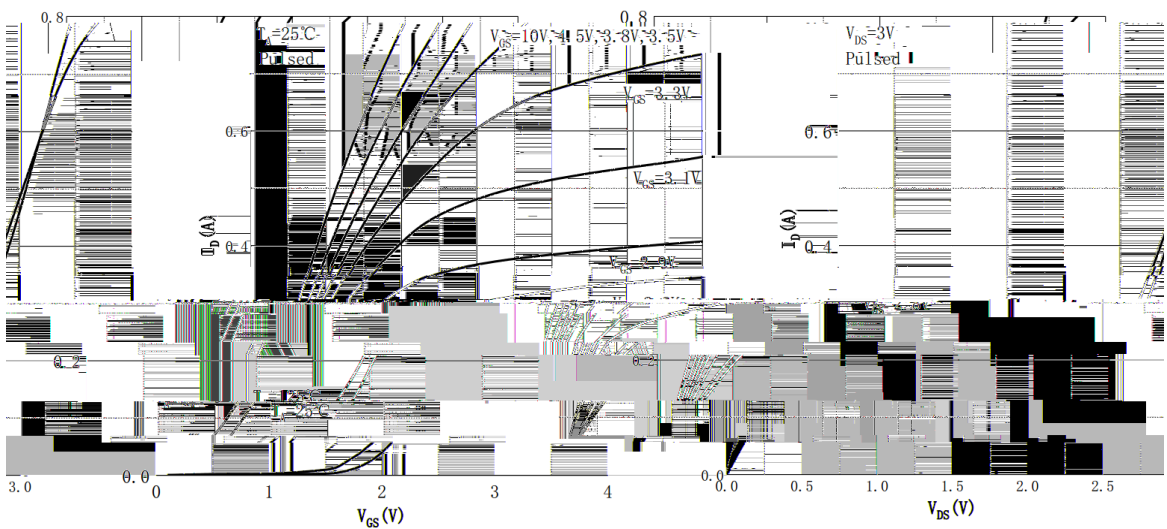
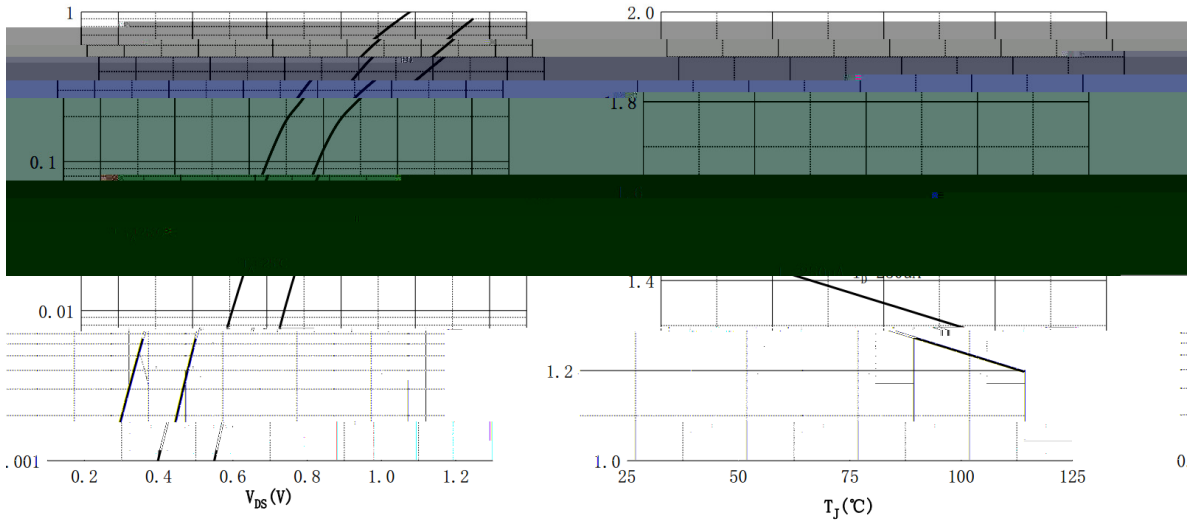
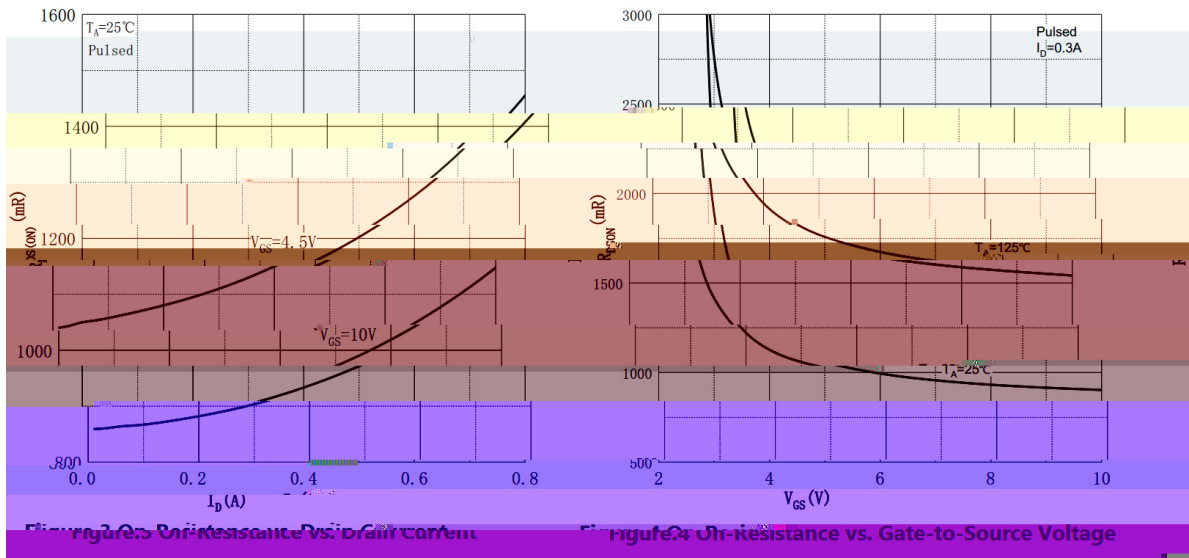
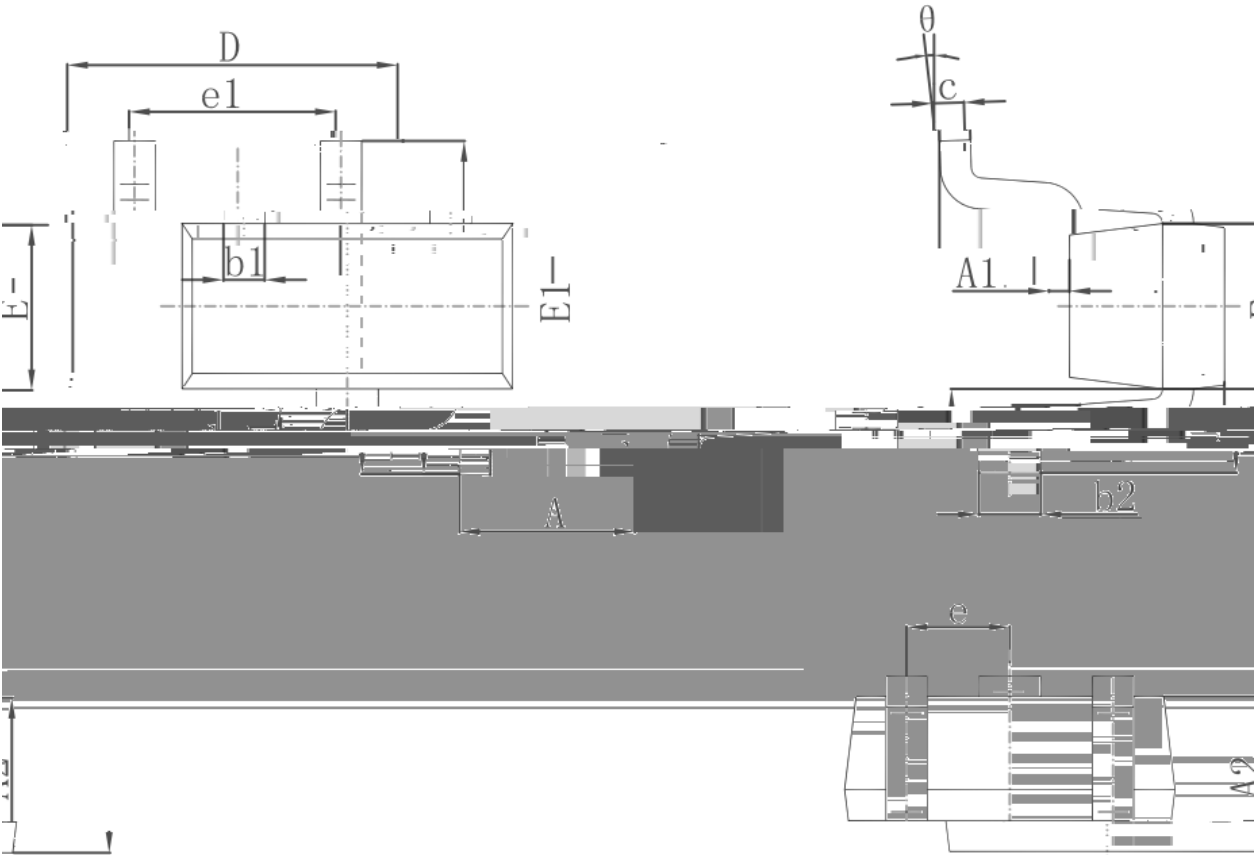


Figure.1 Output Characteristics

Figure.2 Transfer Characteristics



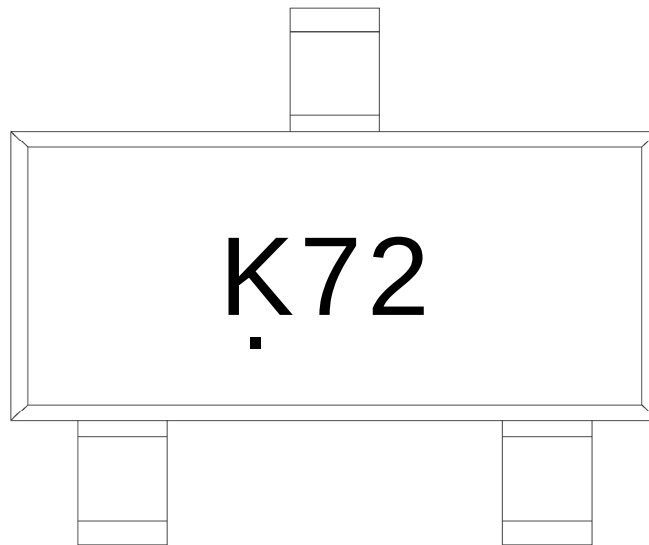
/ Package Dimensions



Dimensions In Millimeters		Dimensions In Inches	
	Max.	Min.	Max.
	0.900	0.028	0.035
	0.100	0.000	0.004
	0.800	0.028	0.031
	0.100	0.000	0.004
	1.500	0.059	0.067
	0.700	0.028	0.035
	1.450	0.057	0.069
	0.500 TYP.	0.020 TYP.	
	0.900	1.100	0.035 0.043
	0.400 REF.	0.016 REF.	
	0.260	0.460	0.010 0.018
	0°	8°	0° 8°

Symbol	Dimens
	Min.
A	0.700
A1	0.000
A2	0.700
b2	0.010 0.014
D	0.008 0.010
E1	0.008 0.010
e1	0.008 0.010
L	
L1	
θ	

/ Marking Instructions



K72

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Note:

K72: Product Type Code

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HF Product Code

() / Temperature Profile for IR Reflow Soldering(Pb-Free)

- Note:
- 1

150 180

60 90sec;

2

245 5

5 0.5sec;

3

2 10

/sec.
- 1.Preheating:150~180 , Time:60~90sec.

2.Peak Temp.:245 5 , Duration:5 0.5sec.

3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260 5 10 1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units	Dimension	(unit mm ³)
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