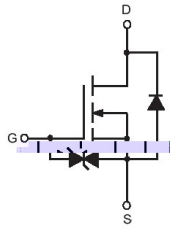
SOT-523 N MOS

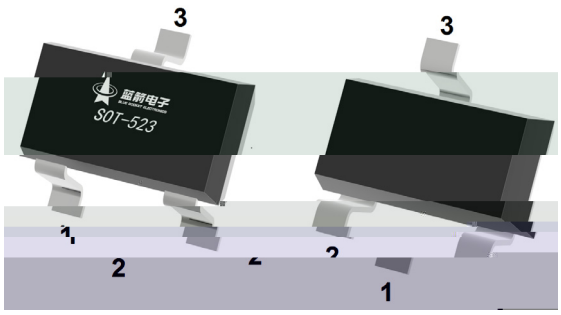
N-CHANNEL MOSFET in a SOT-523 Plastic Package.

2KV

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

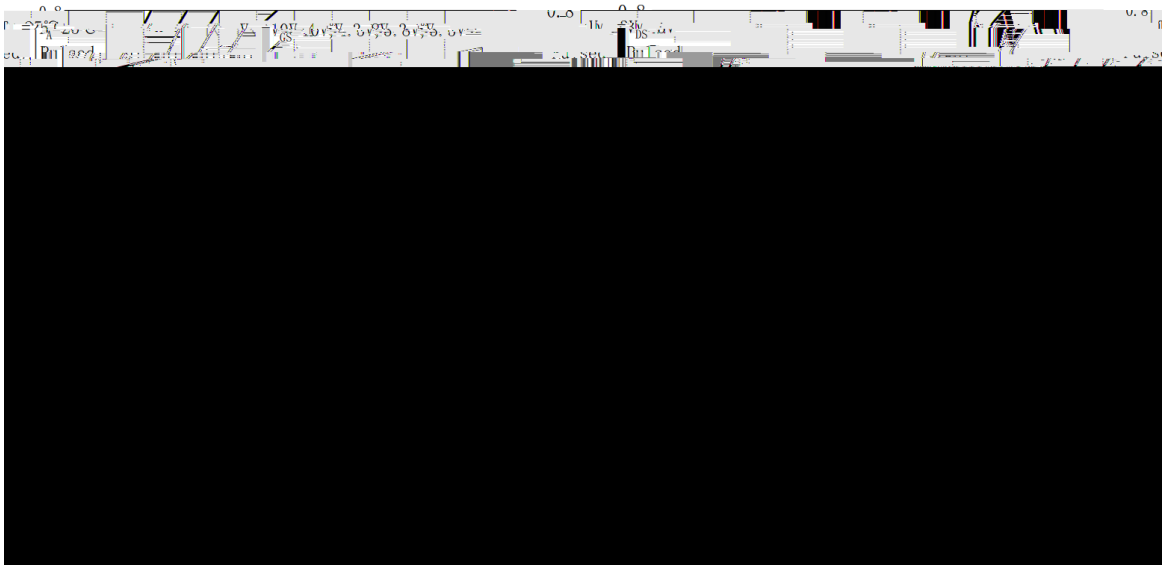
Intended for use in general purpose switching and phase control applications.

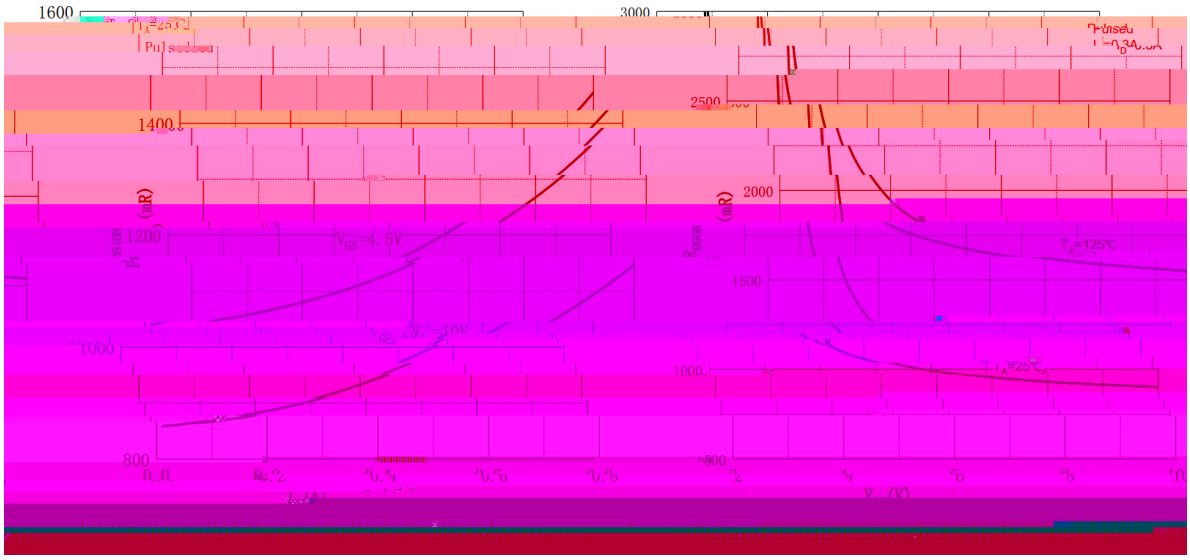


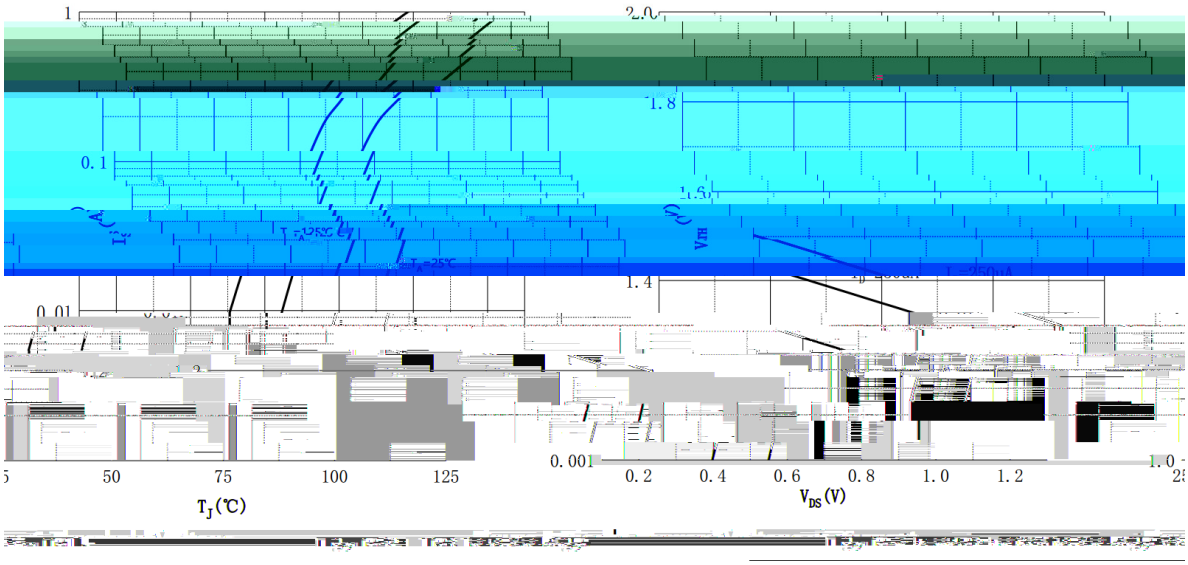


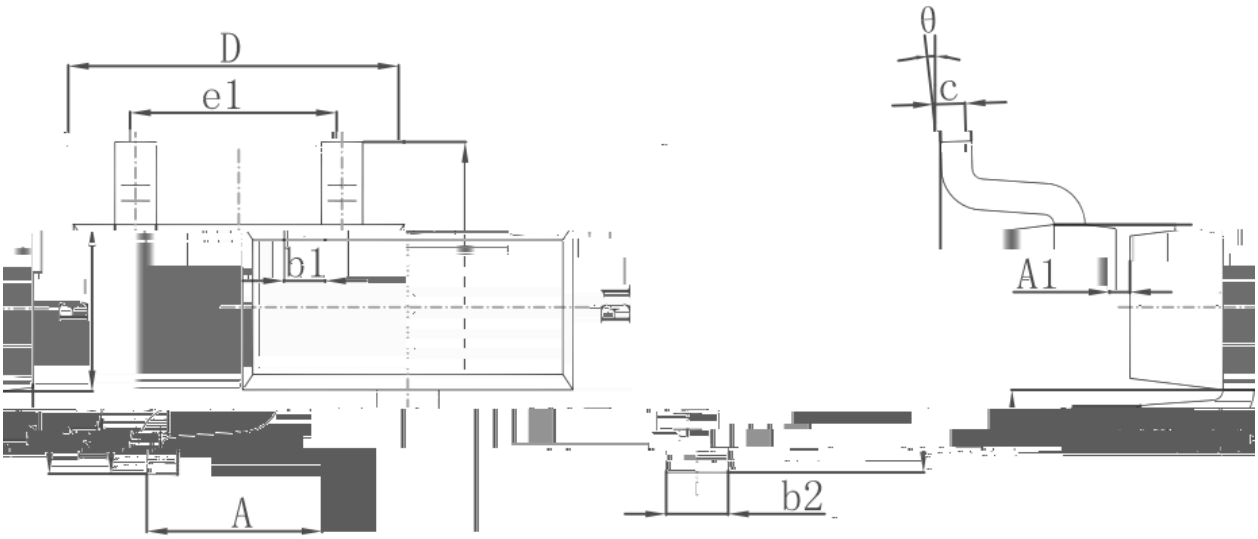
PIN1 G PIN 2 S PIN 3 D

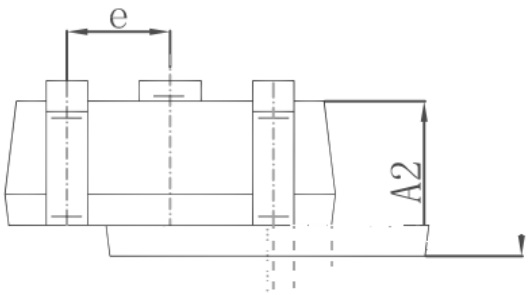
Marking	K72



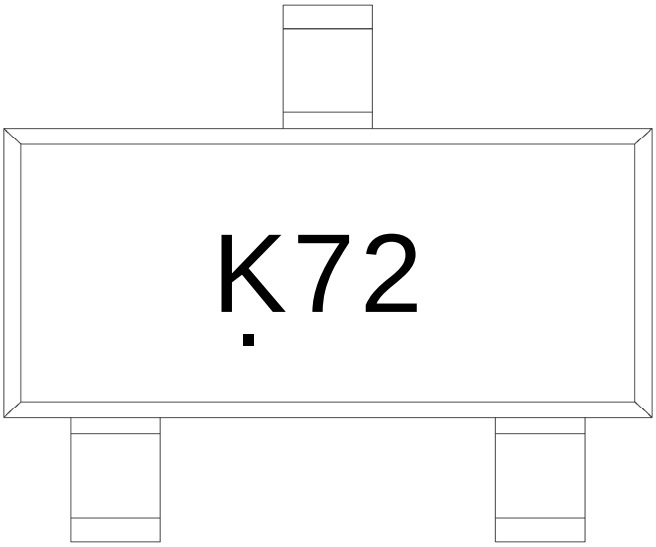

1600
1400
1200
1000
800
3000
2500
2000
1500
1000
500
(mR)
V_{GS}=4.5V
T_A=125℃
T_A=25℃


1
0.1
0.01
2.0
1.8
1.6
1.4
0.001
50
75
100
125
T_J(℃)
0.2
0.4
0.6
0.8
1.0
1.2
V_{DS}(V)





Dimensions In Inches			Symbol	Dimensions In Millimeters		
Min.	Max.			Min.	Max.	
0.028	0.035		A	0.700	0.900	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		A1
0.031			A2	0.700	0.800	0.028
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
c	0.100	0.200	0.004	0.008		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
0.900	0.028	0.035				0.700
1.750	0.057	0.069				1.450
500 TYP.	0.020 TYP.					0.
1.100	0.035	0.043				0.900
400 REF.	0.016 REF.					0.
0.460	0.010	0.018				0.260
8°	0°	8°				0°



K72

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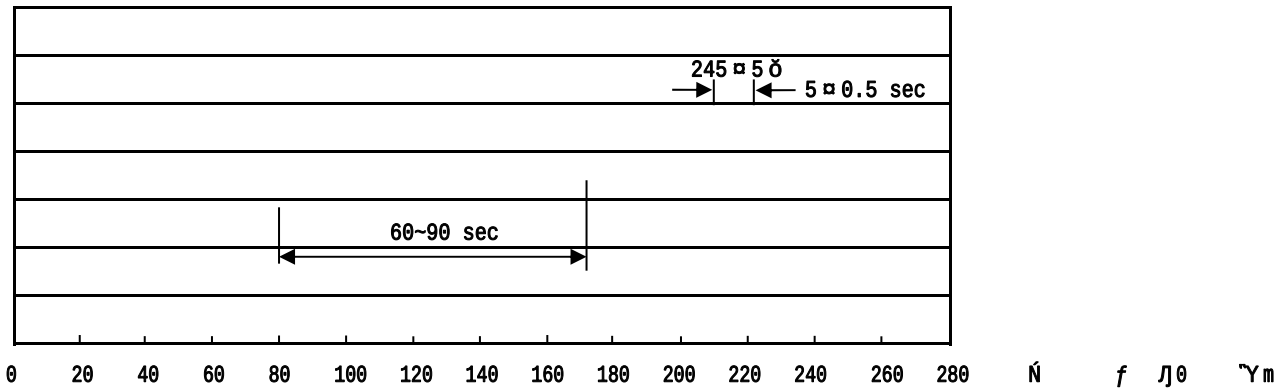
Note:

K72: Product Type Code

. HF Product Code

Temperature Profile for IR Reflow Soldering(Pb-Free)



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

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

/ REEL

Package Type	Units					Dimension		(unit mm³)
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
SOT-523	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205