

/ Revised record

F	2017-4				
G	2020-8-28	1			
A	2022.05.19	ALL			

/ Descriptions

SOT-23 N MOS
N-CHANNEL MOSFET in a SOT-23 Plastic Package.

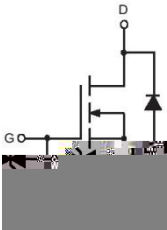
/ Features

2KV
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

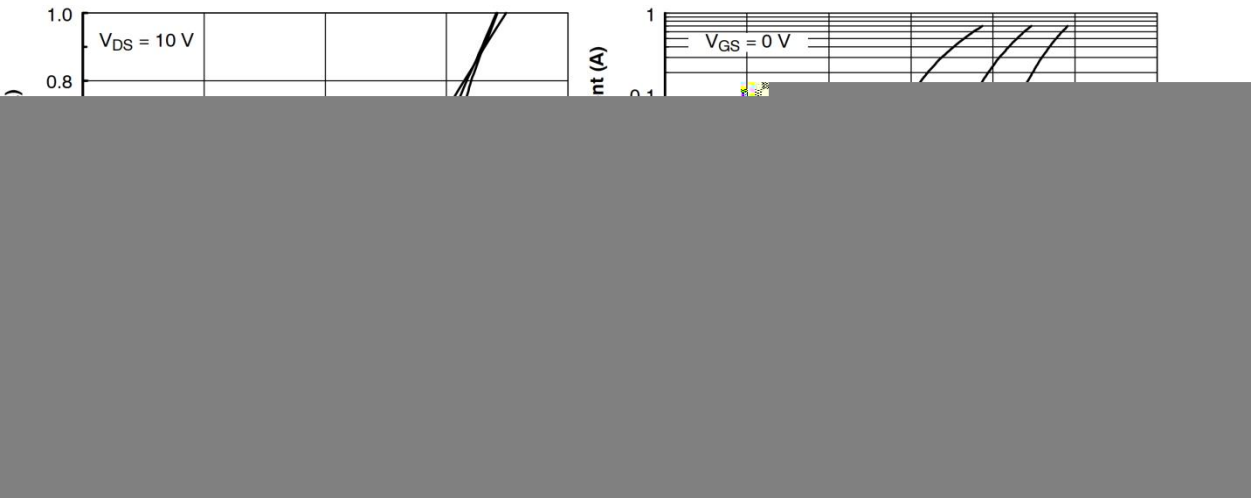
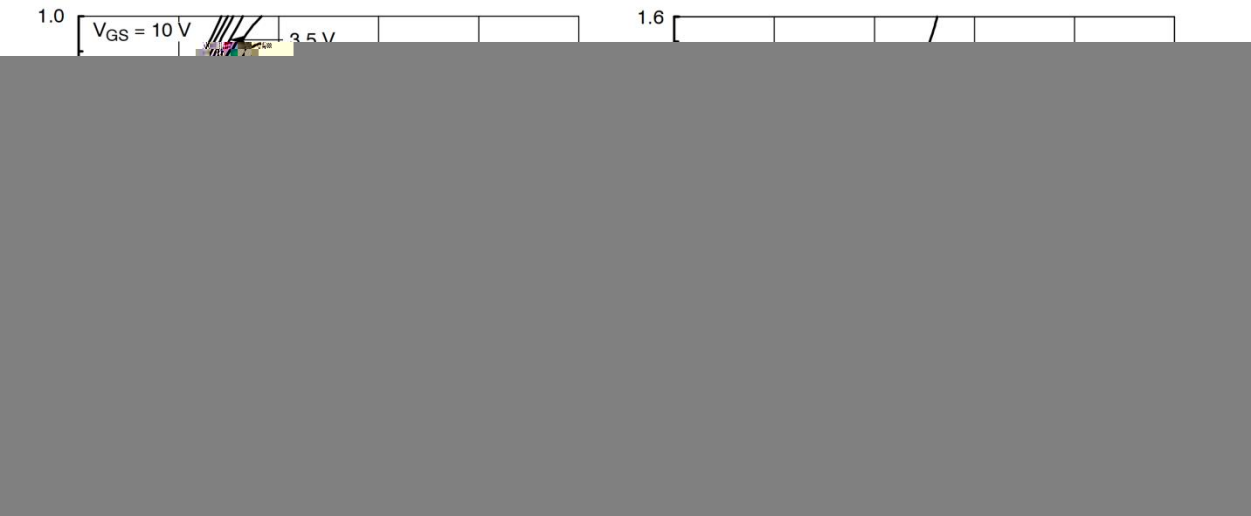
/ Marking

Marking	HSA
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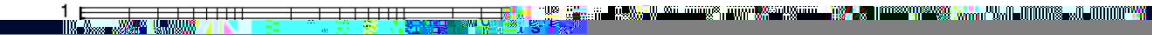
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	100	V
Drain Current – Continuous	I_D	170	mA
Drain Current– Pulsed	$I_D(T_C=25^{\circ}C)$	680	mA
Continuous Drain–Source	I_S	170	mA
Gate-Source Voltage	V_{GS}	± 20	V

Pow

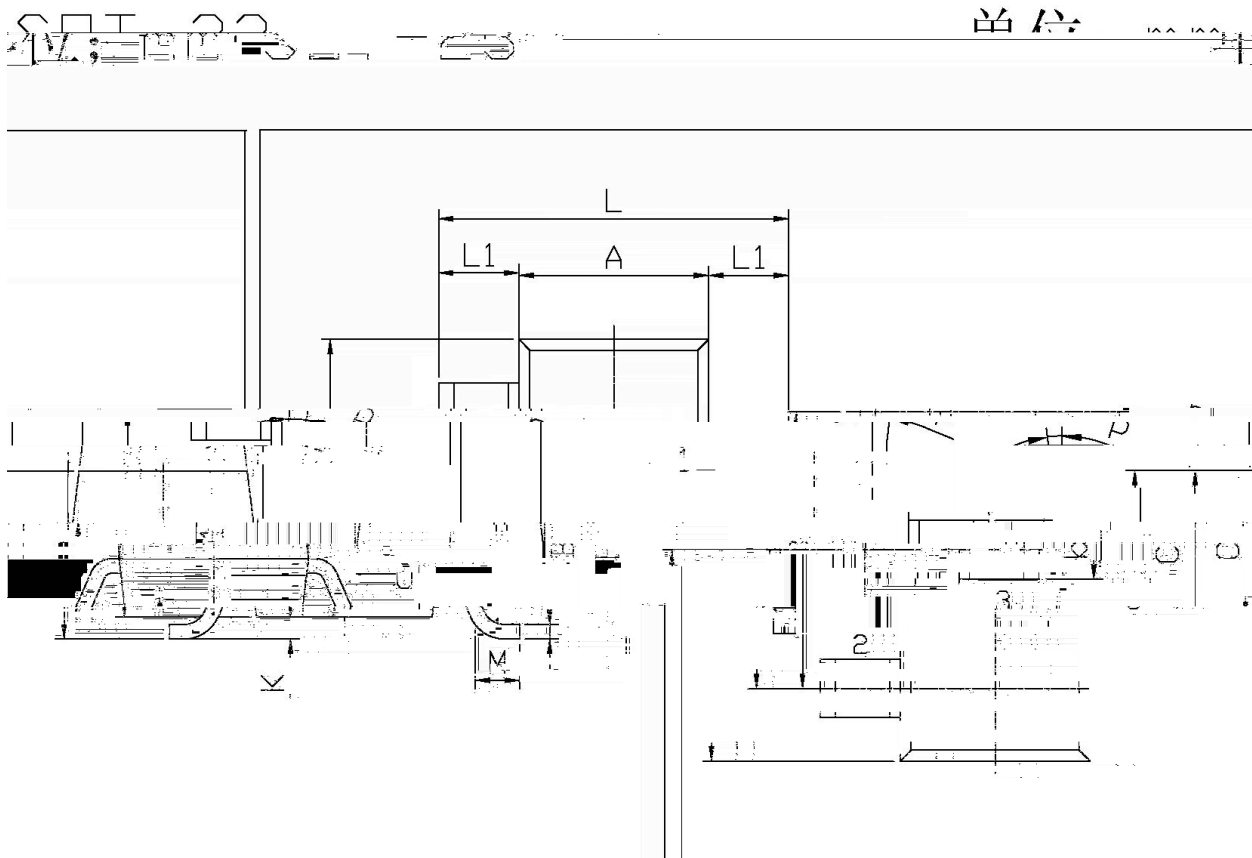
/ Electrical Characteristic Curve



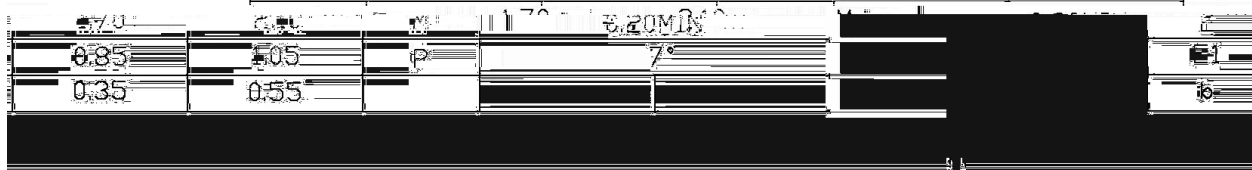
/ Electrical Characteristic Curve



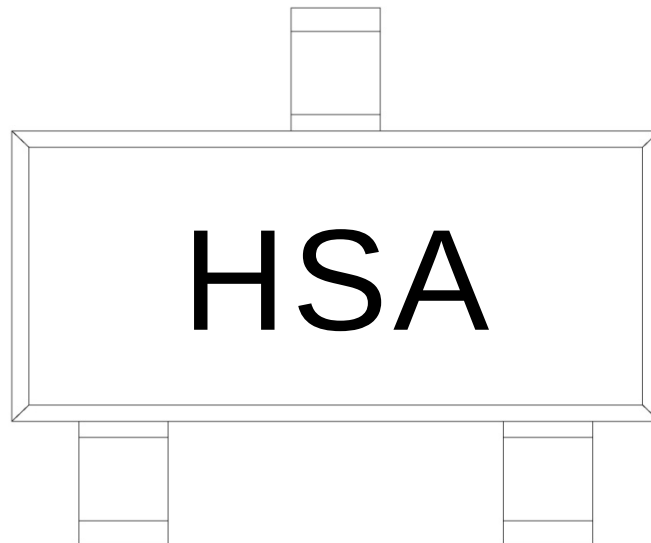
/ Package Dimensions



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	C1	0.90	1.20
A	1.15	1.50	c	0.05	0.20
B	2.70	3.10	K	0	0.10



/ Marking Instructions



H

SA

Note:

H: Company Code

SA: Product Type

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

- 1

150 180

60 90sec;

1.Preheating:150~180°C, Time:60~90sec.
- 2

245±5

5±0.5sec;

2.Peak Temp.:245±5°C, Duration:5±0.5sec.
- 3

2 10°C/sec.

3. Cooling Speed: 2~10°C/sec.

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ REEL