

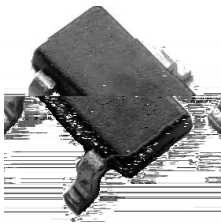
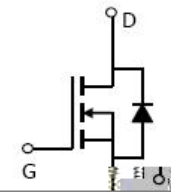


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SOT23-3 N MOS
N- CHANNEL MOSFET in a SOT23-3 Plastic Package.

$V_{DS} (V) = 30V$
 $I_D = 5.5 A (V_{GS} = 20V)$
 $R_{DS(ON)} < 31m\Omega (V_{GS} = 10V)$
 $R_{DS(ON)} < 43m\Omega (V_{GS} = 4.5V)$
无卤产品, HF Product.

This device is suitable for use as a load switch or in PWM applications.



PIN 1 G PIN 2 S PIN 3 D

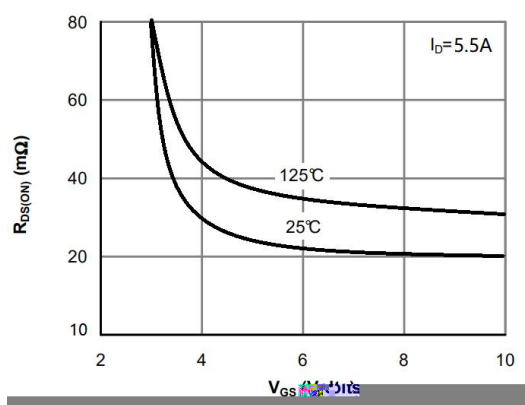
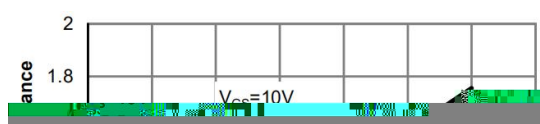
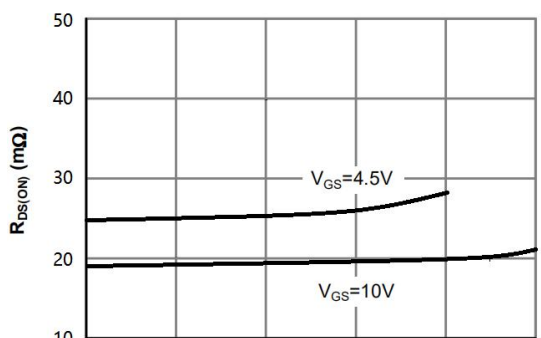
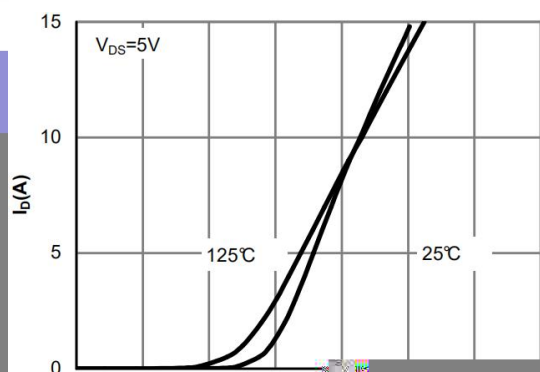
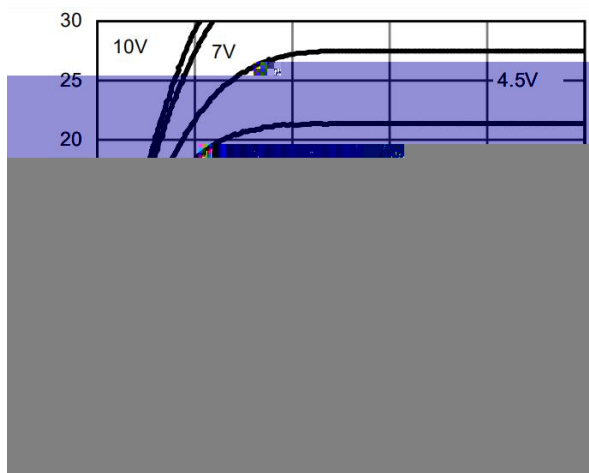
Marking	B4H
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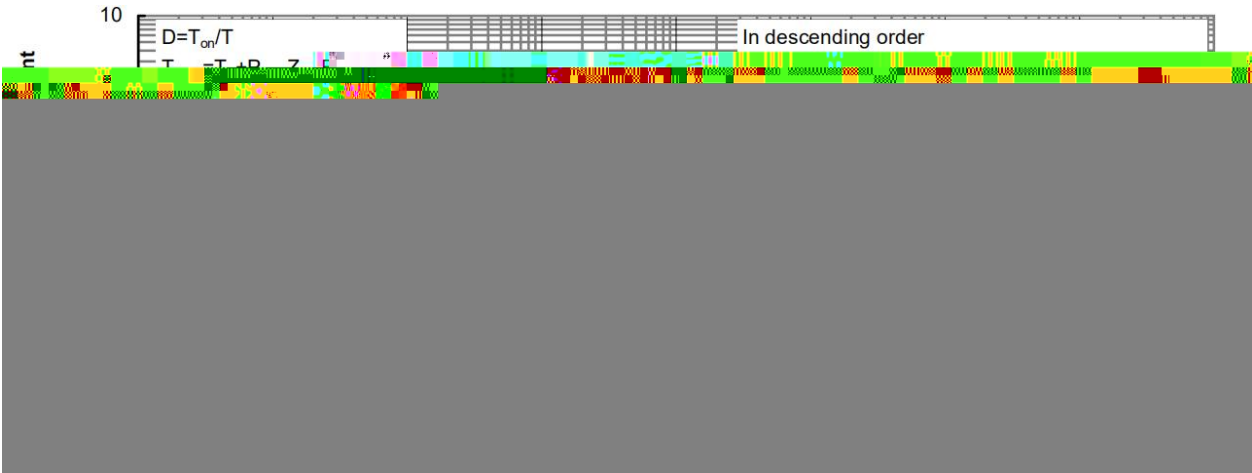
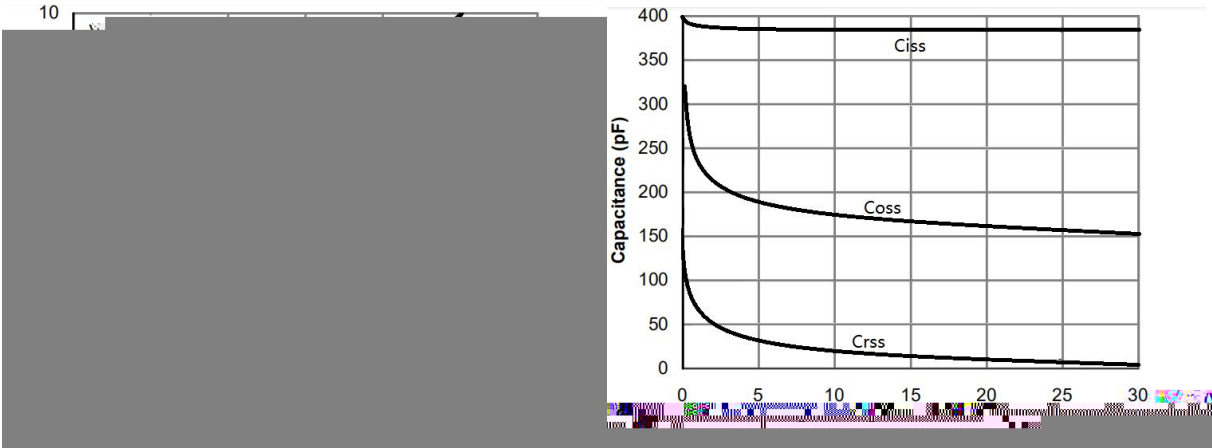


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Parameter		Symbol	Rating	Unit
Drain-Source Voltage		V_{DS}	30	V
Drain Current – Continuous		I_D	5.5	A
Pulsed Drain Current		I_{DM}	19	A
Gate-Source Voltage		V_{GS}	± 20	V
Total Power Dissipation		P_D	1.4	W
Operating and Storage Junction Temperature Range		T_J, T_{STG}	-55 to 150	$^{\circ}C$
Maximum Junction-to-Ambient	$t \leq 10s$	$R_{\theta JA}$	90	$^{\circ}C/W$
Maximum Junction-to-Ambient	Steady-State		125	
Maximum Junction-to-Lead		$R_{\theta JL}$	80	

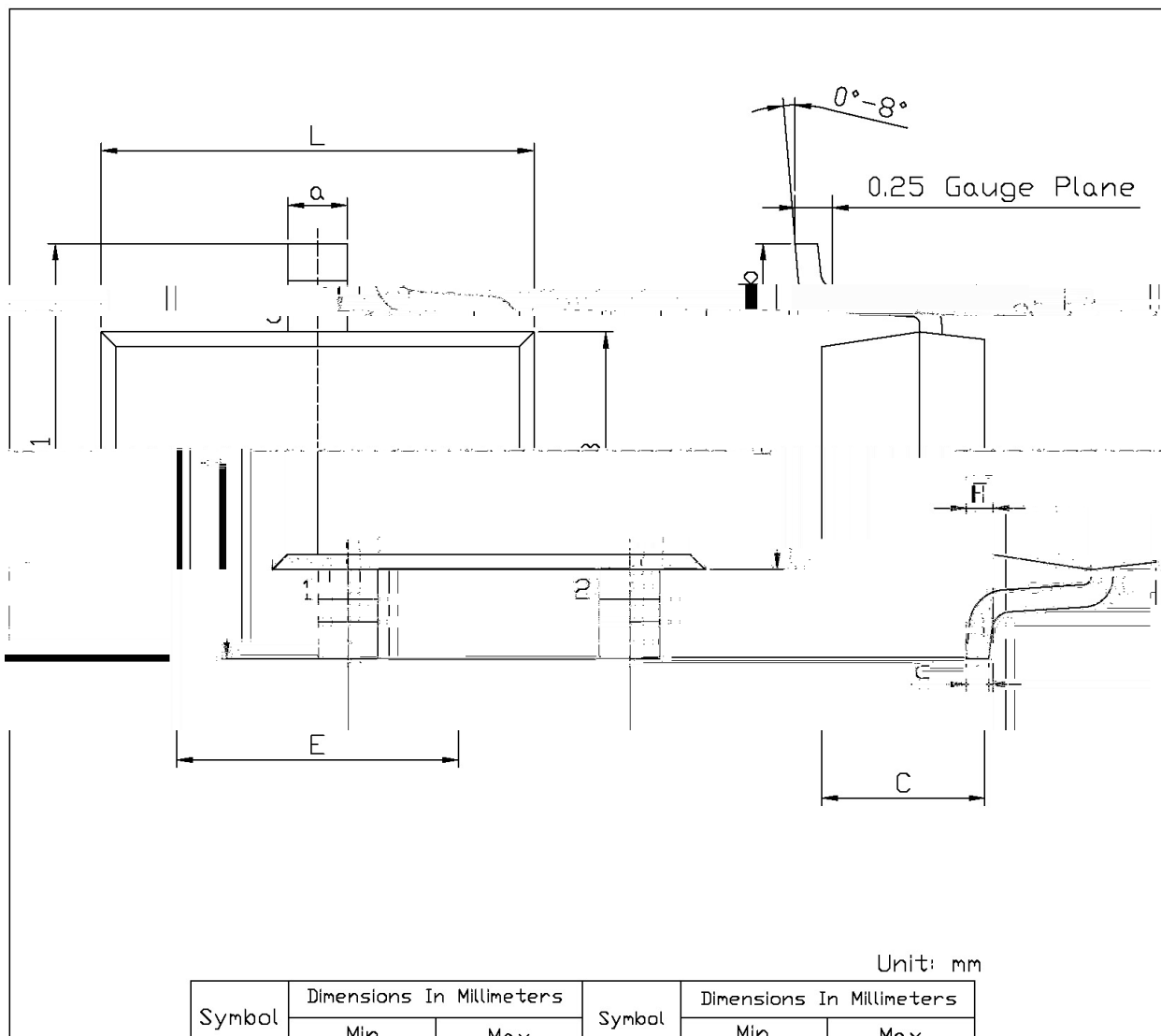
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Drain–Source Breakdown Voltage	$BV_{DS} +$					







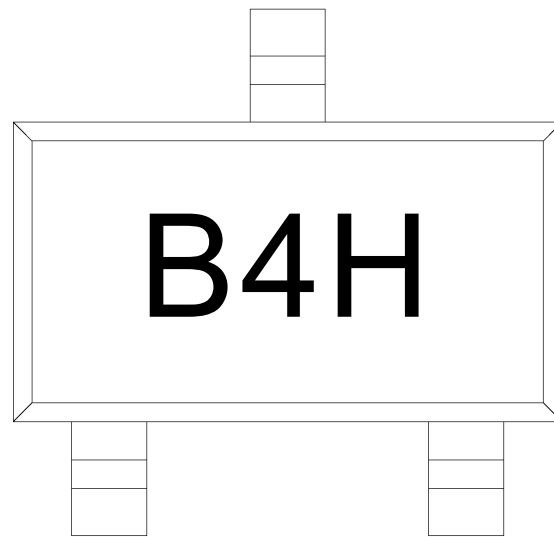
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Unit: mm

Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max

0.35	0.50		2.00	3.00
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B4

H

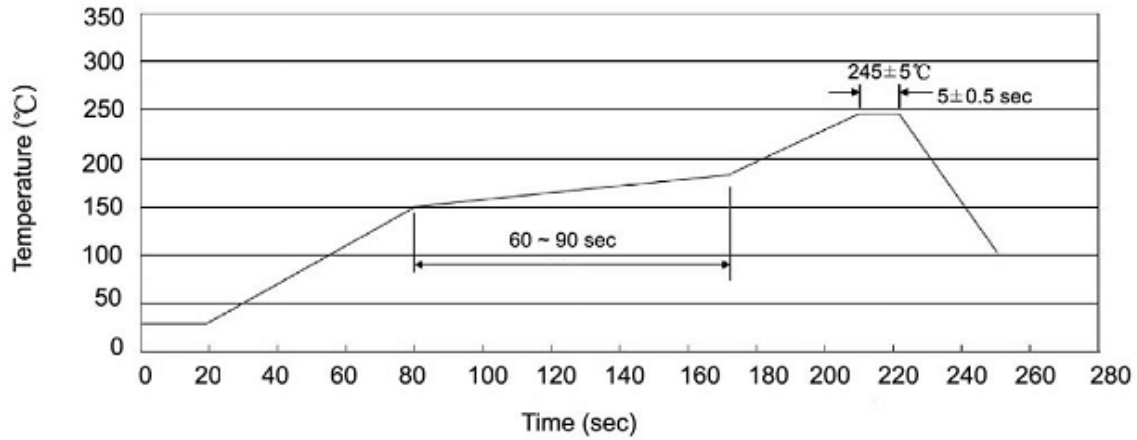
Note:

B4: Product Type Code.

H: Company Code.



Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|----|-----------|---|
| 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. |

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

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box 盒	Outer Box 箱
SOT-23-3	3,000	10	30,000	4	120,000	7" × 8	210×205×205	445×230×435