

DFN 2× 2C-6L

Complementary Enhancement MOSFET in a DFN2× 2C-6L Plastic Package.

N-channel

 $V_{DS(V)}=16V$
 $I_D=8.4A$
 $R_{DS(ON)}@4.5V$ 15m (Typ.13mR)

 $R_{DS(ON)}@2.5V$ 18m (Typ.16mR)

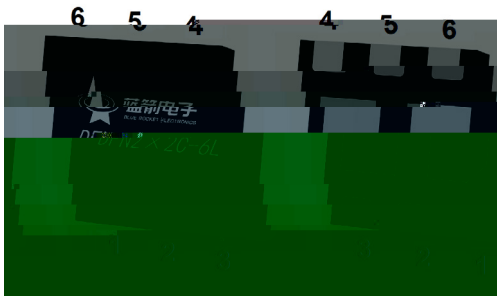
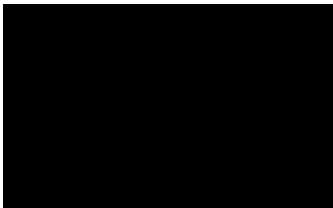
HF Product.

P-channel

 $V_{DS(V)}=-16V$
 $I_D=-6.3A$
 $R_{DS(ON)}@-4.5V$ 25m (Typ.21mR)

 $R_{DS(ON)}@-2.5V$ 35m (Typ.28mR))

Power Management in Notebook Computer, Portable Equipment and Battery Powered Systems.



出脚	定义
PIN 1	S1
PIN 2	G1
PIN 3	D2
PIN 4	S2
PIN 5	G2
PIN 6	D1

See Marking Instructions.

Parameter	Symbol	Rating		Unit
		N-channe	P-channell	
Drain-Source Voltage	V_{DSS}	± 16		V
Gate-Source Voltage	V_{GSS}	± 10		V
Continuous Drain Current	I_D	8.4	-6.3	A
Pulsed Drain Current	I_{DM}	33	-24.5	A
Avalanche Current(L=0.1mH)	I_{AS}	7	14	A
Avalanche energy(L=0.1mH)	E_{AS}	6.5	26	mJ
Power Dissipation	P_D	1.6	1.5	W
Junction and Storage Temperature Range	T_J, T_{STG}	-55 to +150		
Maximum Junction-to-Ambient	$R_{JA}(t \ 10s)$	78	83	/W
	$R_{JA}(\text{Steady-State})$	135		

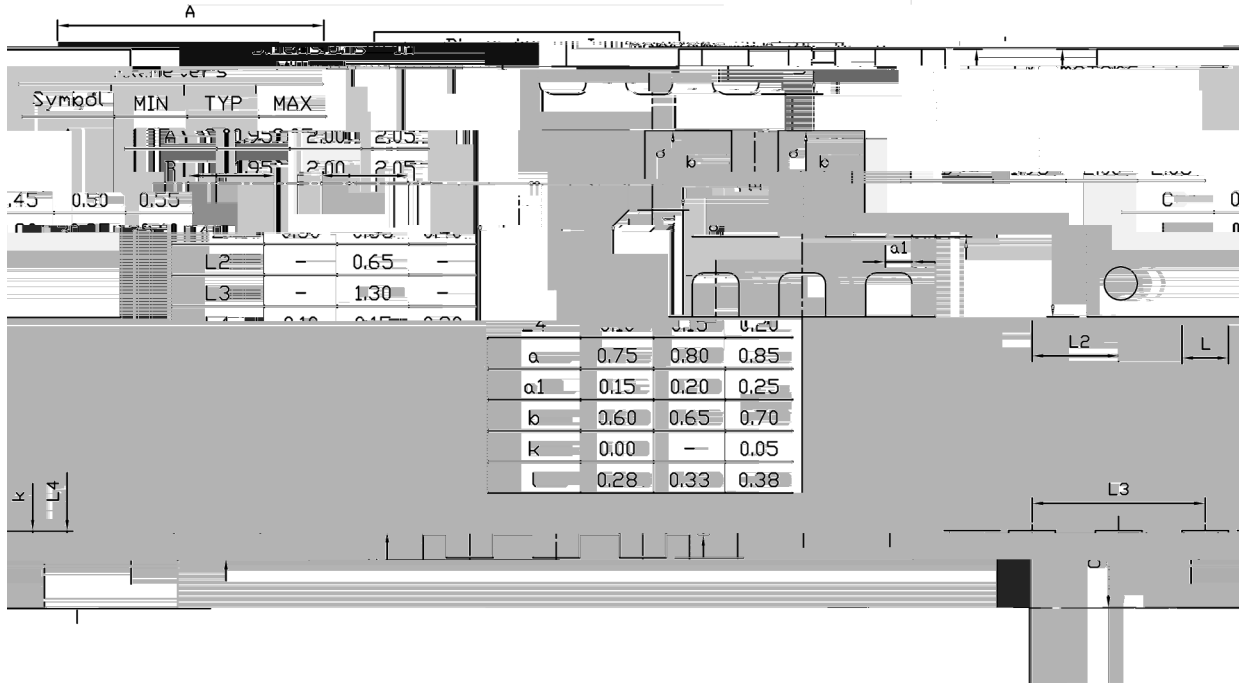
Rev.A Jul.-2023

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
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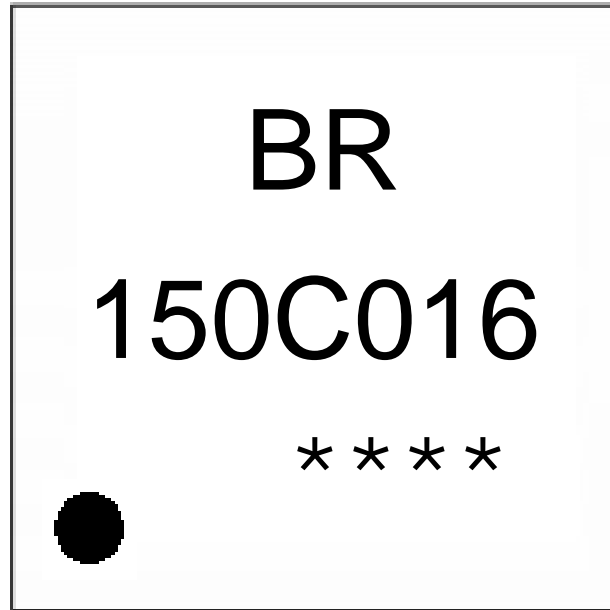
Rev.A Jul.-2023

P

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Rev.00 202204



BR

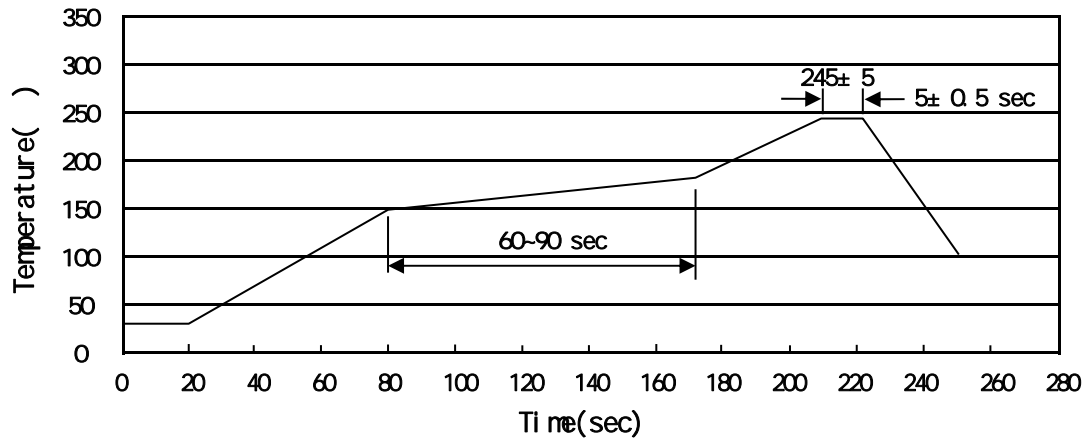
150C016

Note:

BR: Company Code

150C016: Product Type

****: Lot No. Code, code change with Lot No

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±0.5 | sec; | 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 mm ³)		
DFN 2x2C-6L	4,000	10	40,000	4	160,000	7 x8	210x205x205	445x435x230