

/ Descriptions

PDFN5×6 P
P-Channel MOSFET in a PDFN5× 6 Plastic Package.

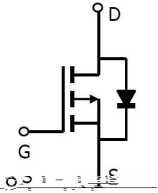
/ Features

Low $R_{DS(ON)}$ to minimize conductive loss;low Gate Charge for fast switching;Low Thermal resistance;
HF Product.

/ Applications

Notebook AC-in load switch, Battery Protection Charge/Discharge.

/ Equivalent Circuit



/ Pinning



PIN1、 2、 3: S PIN4: G PIN5、 6、 7、 8: D

Pin	极性
1	S
2	S
3	S
4	G
5	D
6	D
7	D
8	D

/ Marking

See Marking Instructions.

BRCS120P04ZC

Rev.A Jul.-2022



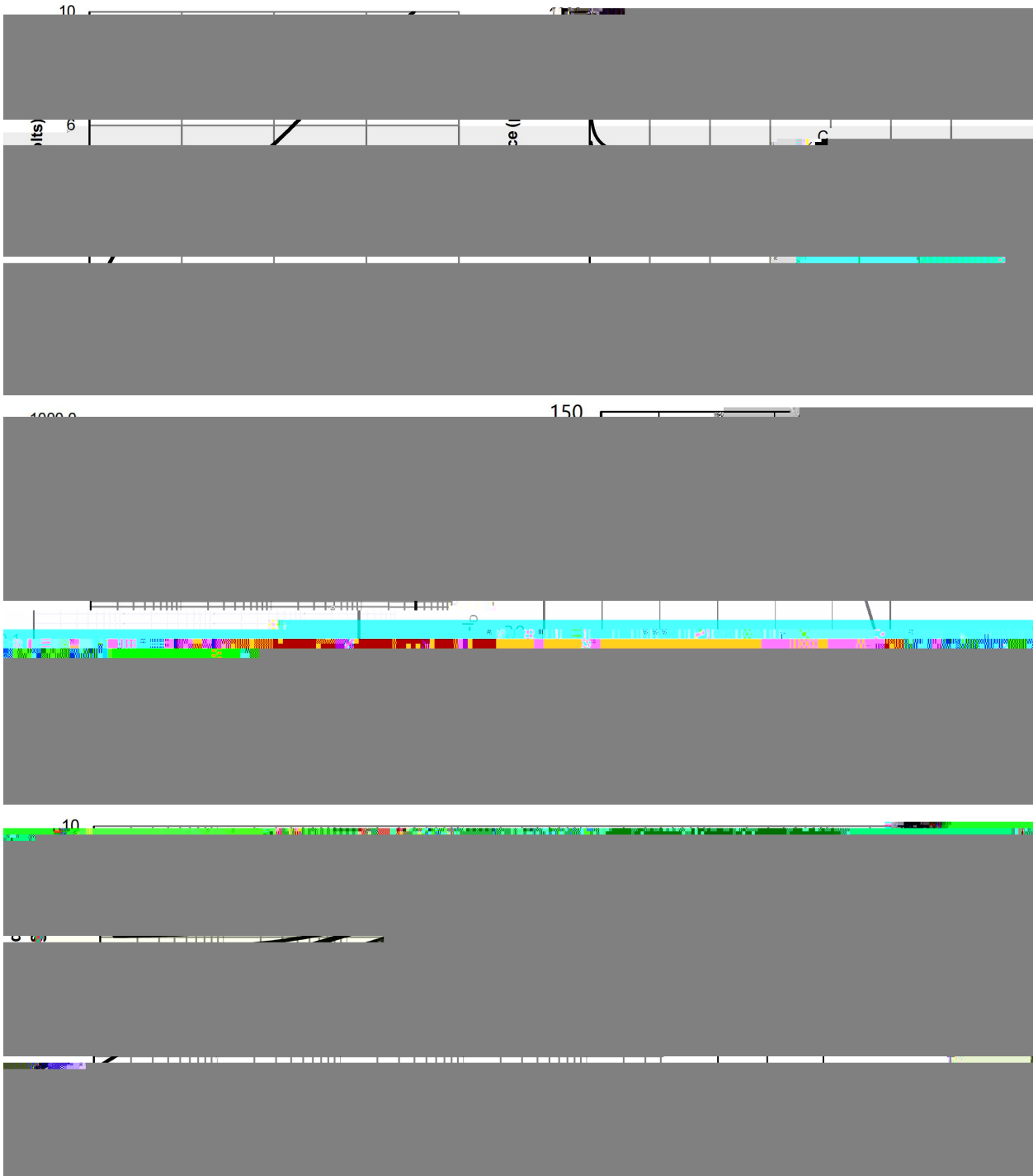
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Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	-40	V
Drain Current - Continuous	$I_D(T_c=25^\circ\text{C})$	-45	A
Drain Current – Pulsed	I_{DM}	-120	A

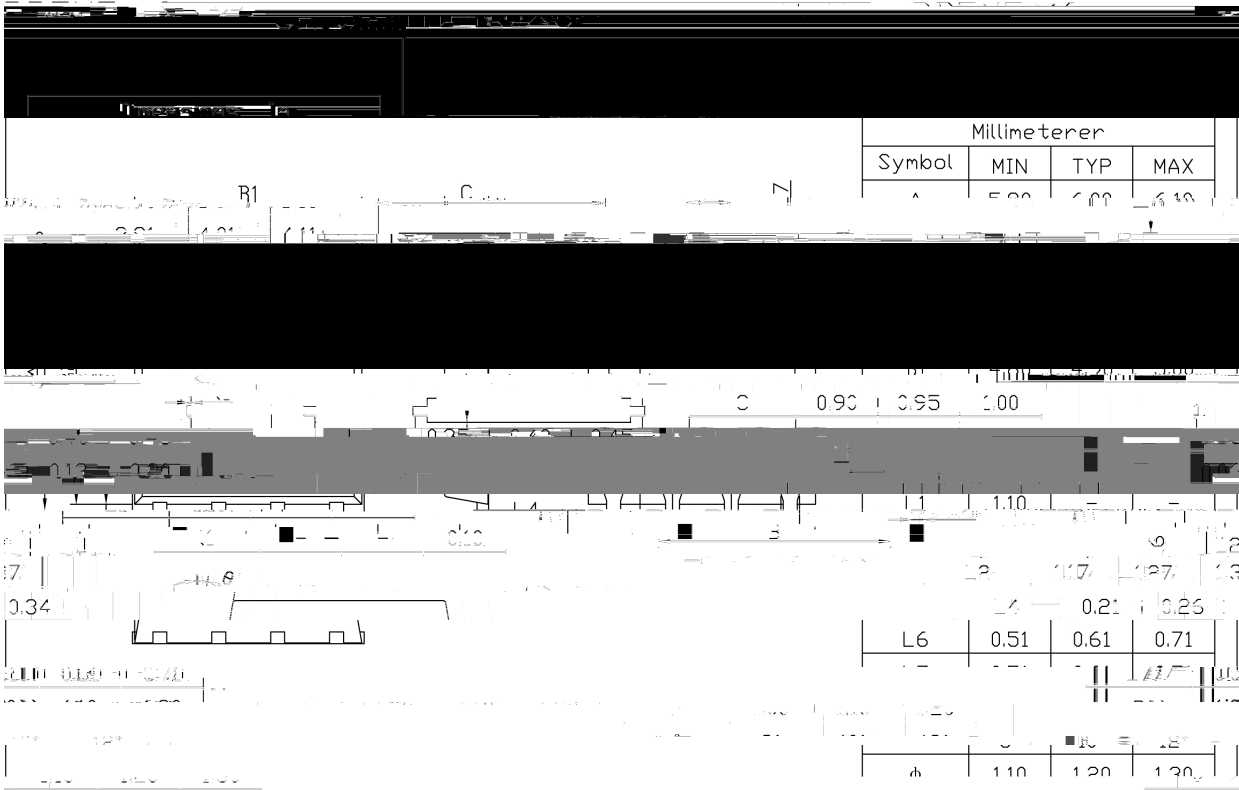
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/ Electrical Characteristic Curve



/ Package Dimensions

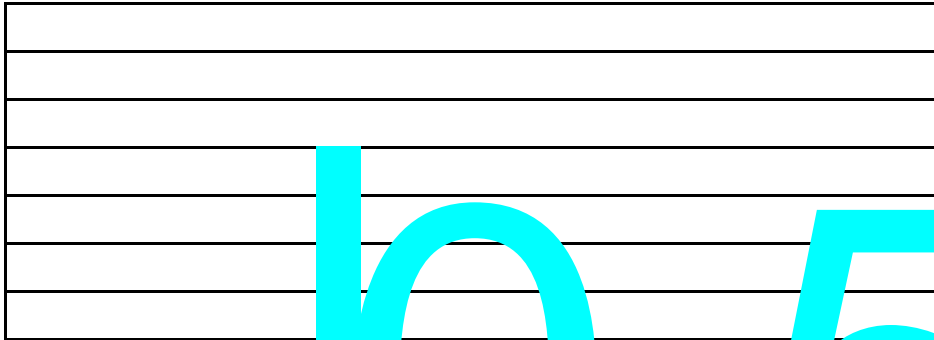


Rev. 00, 201912

BRCS120P04ZC

Rev.A Jul.

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



10.5S

- 1 150 180 60 B... 0.0 10.56... Heating 150-180... Time 107... sec... 45.3727
- 2 245±5 5±0.5sec, 2. Peak Temp., 245±5°C, ... ±0.5sec.
- 3 2 10°C/sec. 3. Cooling Speed: 2~10°C/sec.