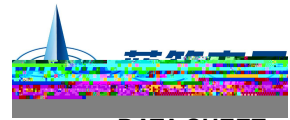


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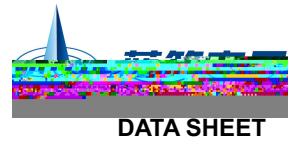


DATA SHEET

A	2022.5.27	All	AOS-AON6284		

BRCs070N08SZC

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

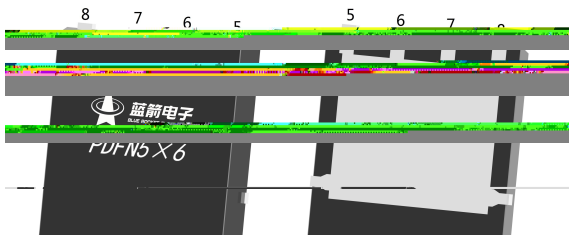
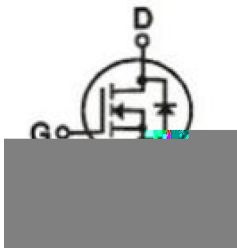
Low $R_{DS(ON)}$ to minimize conductive loss; low Gate Charge for fast switching; Low Thermal resistance; HF Product.

MB/NB/UMPC/VGA

Buck

-

Battery Management, High Frequency Point-of-Load Synchronous Buck Converter for MB/NB/UMPC/VGA, Networking DC-DC Power System, Load Switch.



Parameter	Symbol	Rating	Unit
Drain-Source Voltage Drain	V_{DS}	80	V

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=10V$ $V_{DS}=40V$ $R_L=2\ \Omega$ $R_{GEN}=3\ \Omega$		7.6		ns
Turn-On Rise Time	t_r			4.2		
Turn-Off Delay Time	$t_{d(off)}$			33		
Turn-Off Fall Time	t_f			7		

/ Electrical Characteristic Curve

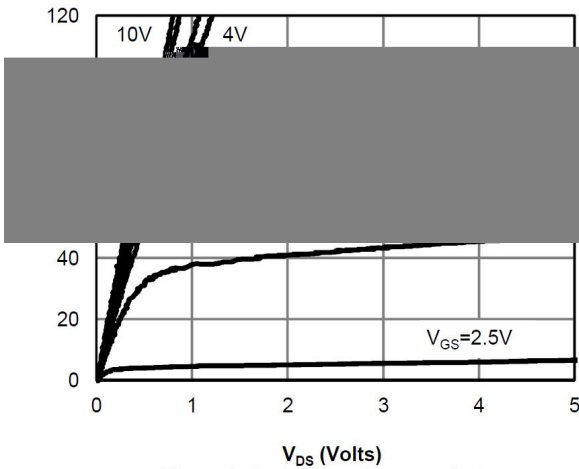


Figure 1: On-Region Characteristics

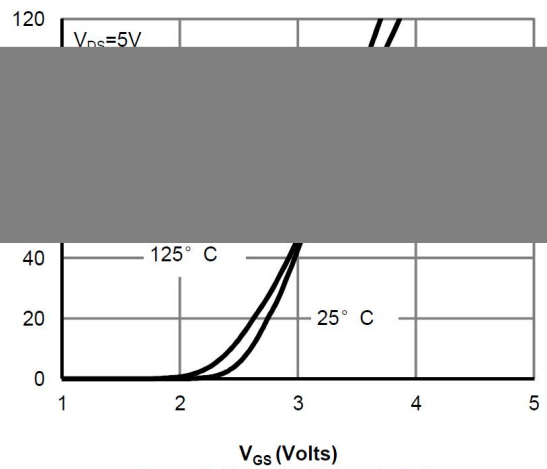
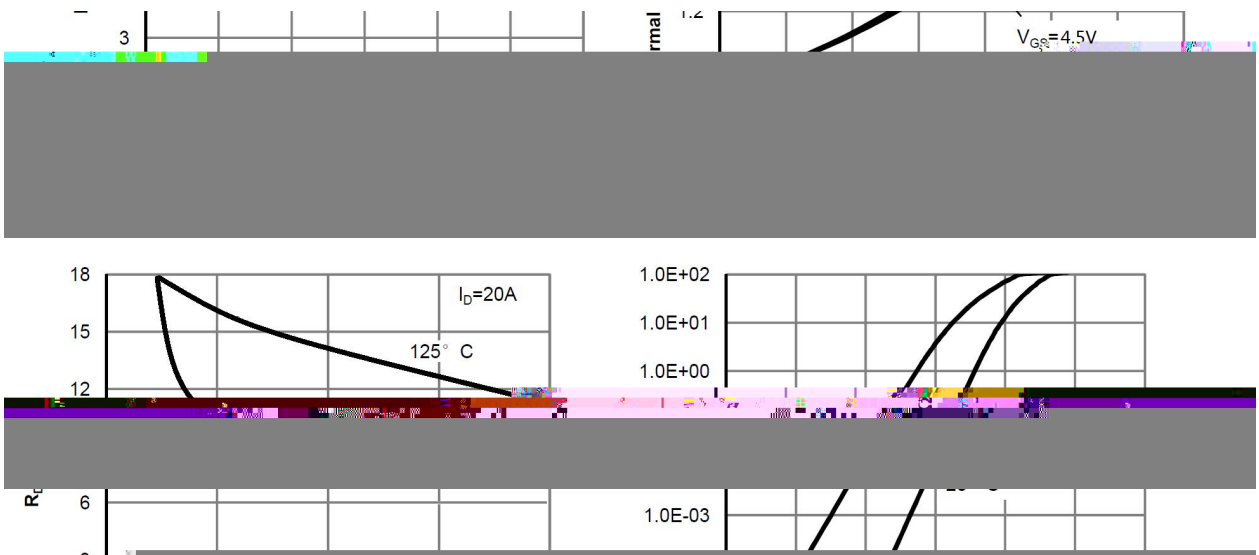
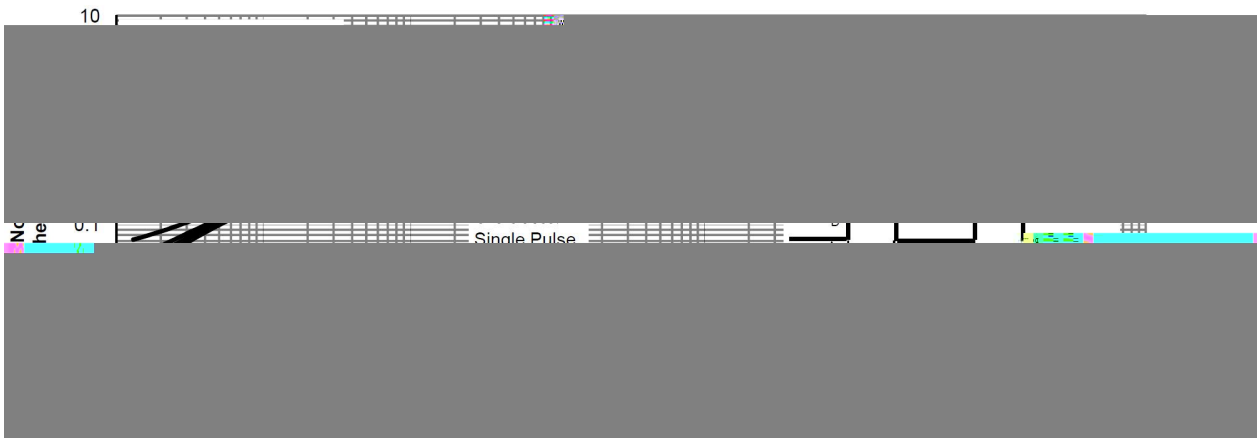
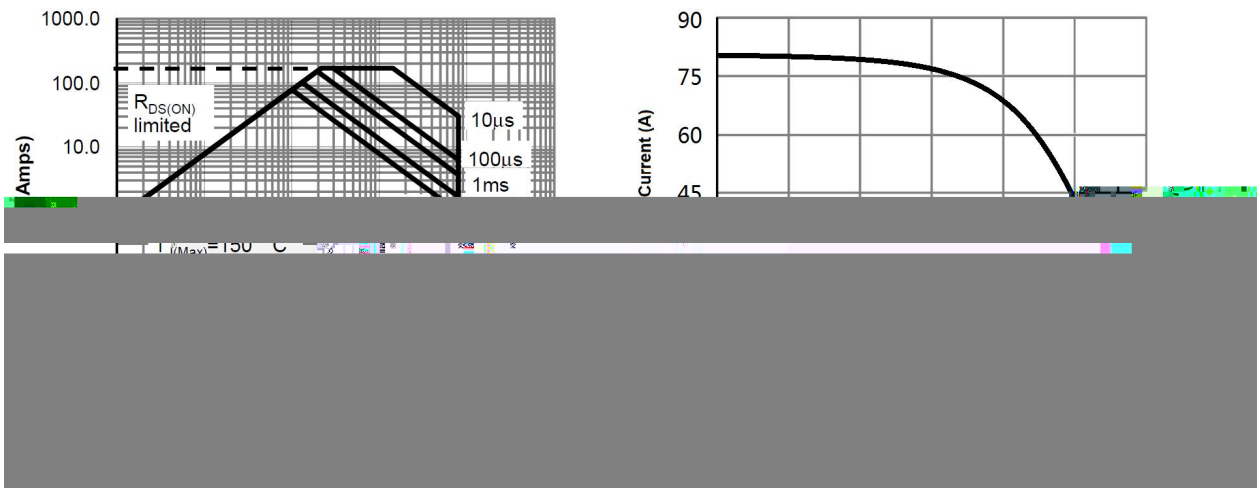
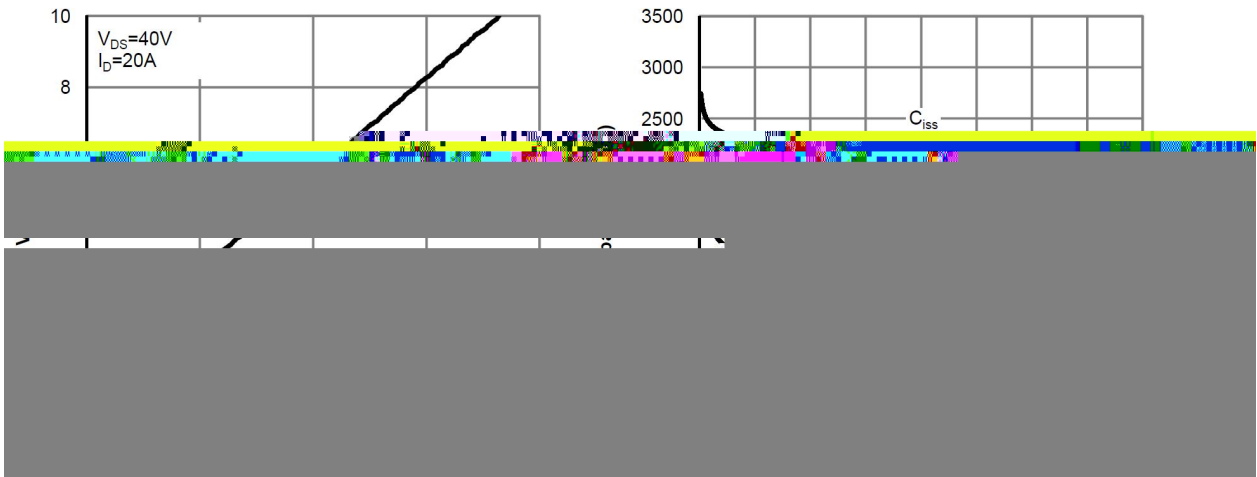


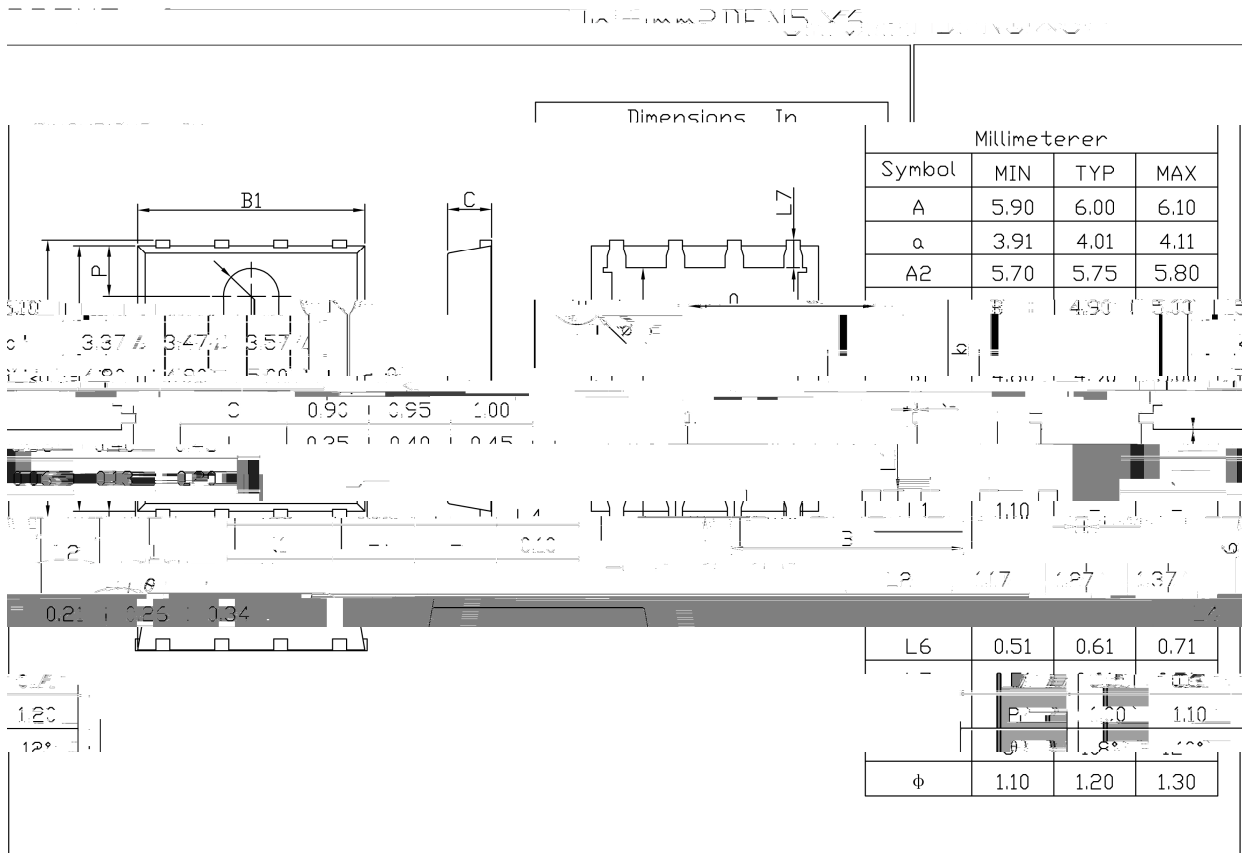
Figure 2: Transfer Characteristics



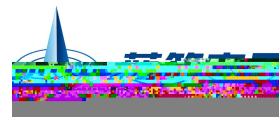
/ Electrical Characteristic Curve



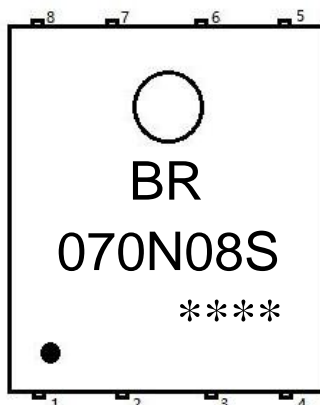
/ Package Dimensions



Rev.00 201812



/ Marking Instructions



BR

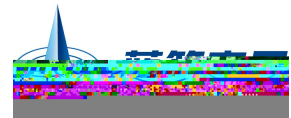
070N08S

Note

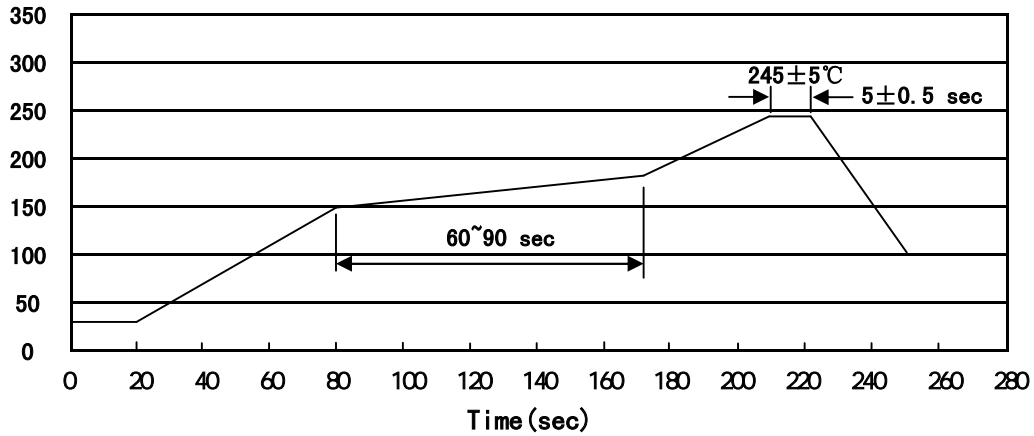
BR Company Code

070N08S 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°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

Package Type	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只/卷盘	卷盘/盒	只/盒	盒/箱	只/箱			
PDFN5 × 6	5000	2	10000	6	60000	13" × 12	360 × 360 × 50	380 × 335 × 366

/ Notices