

BRCS060N04YM

Rev.D Mar.-2023

DATA SHEET

BRCS060N04YM

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=10V$ $V_{DS}=20V$ $R_L=2$ $R_{GEN}=3$		6.3		ns
Turn-On Rise Time	t_r			17.1		
Turn-Off Delay Time	$t_{d(off)}$			28.7		
Turn-Off Fall Time	t_f			15.9		

/ Electrical Characteristic Curve

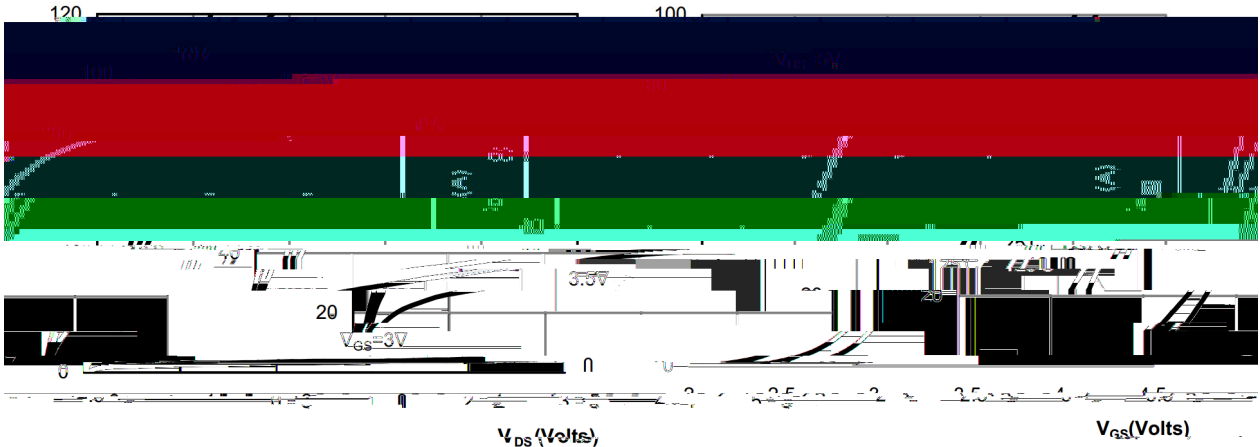


Figure 1: On-Resistance Characteristic Curve

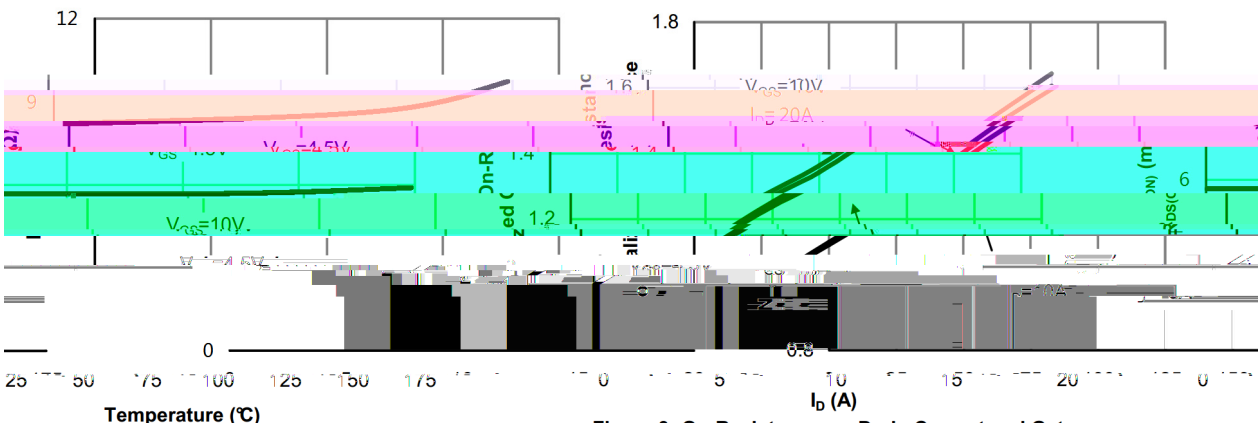


Figure 2: Transfer Characteristic Curve

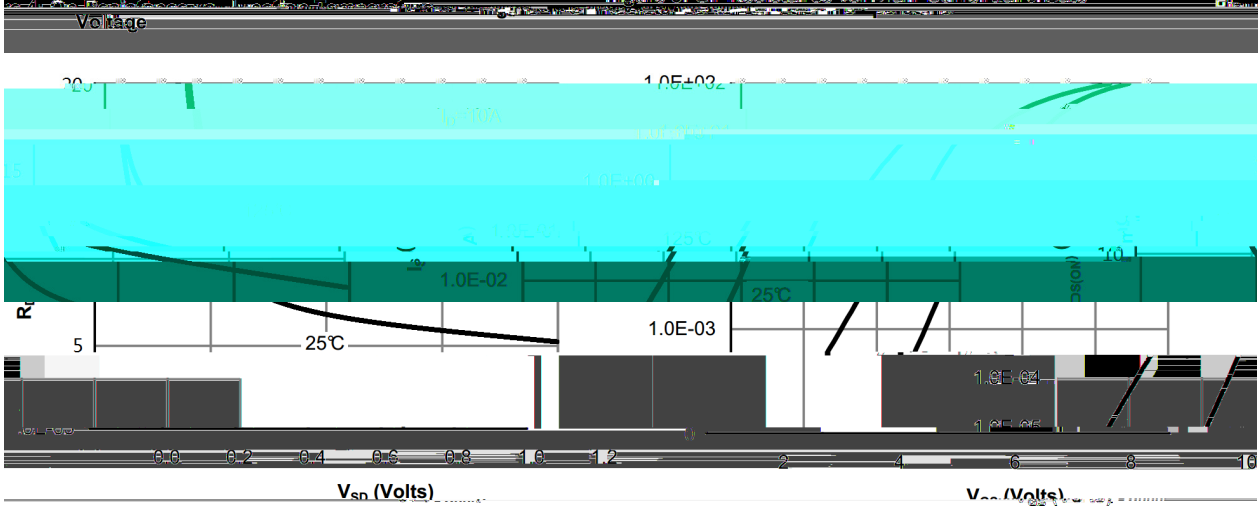
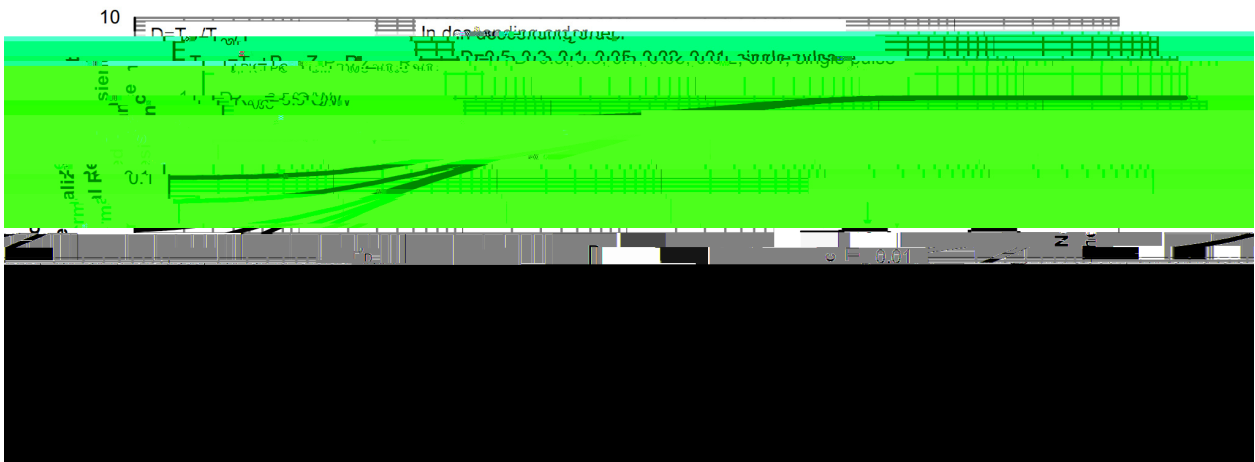
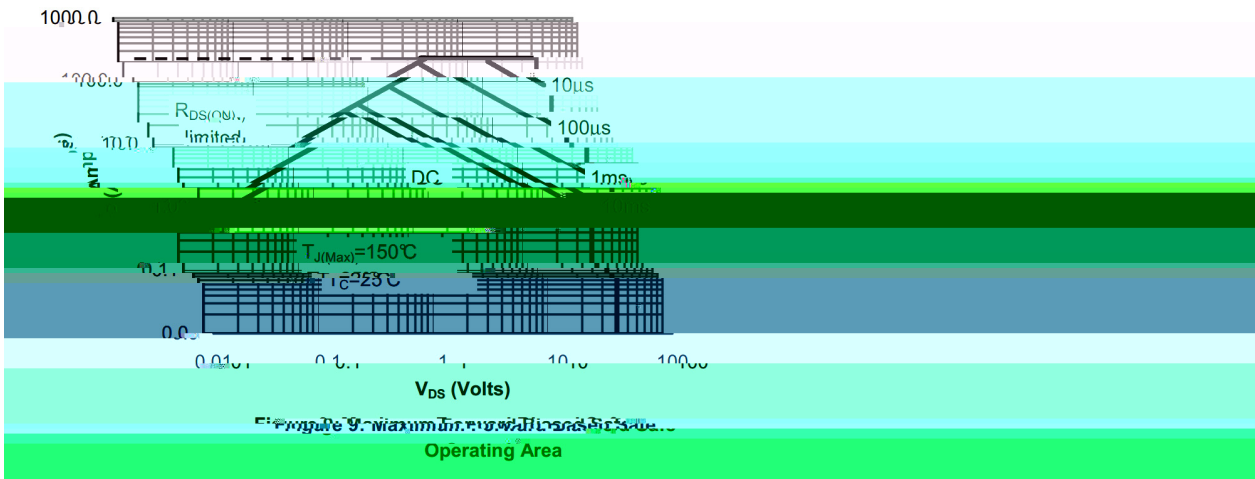
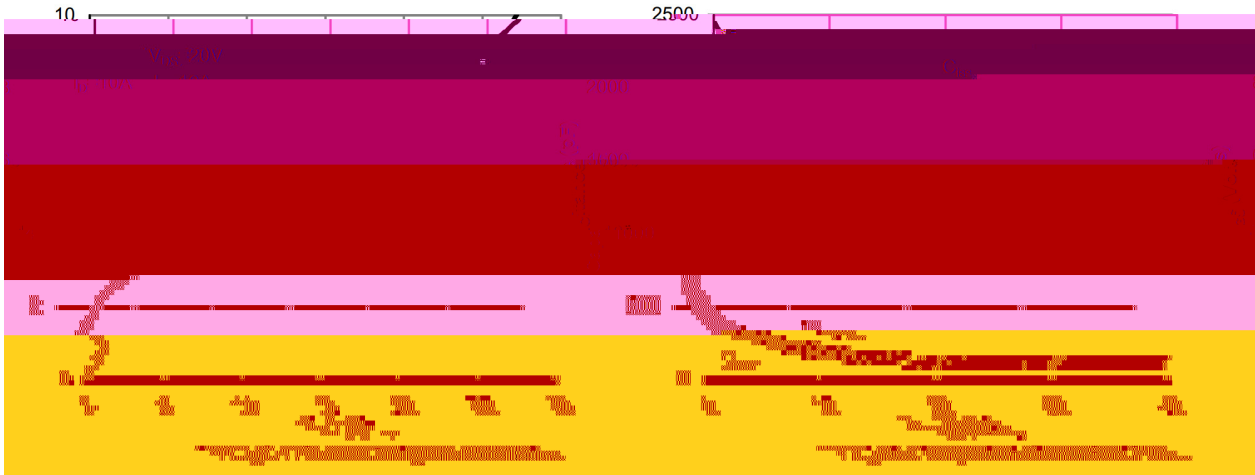
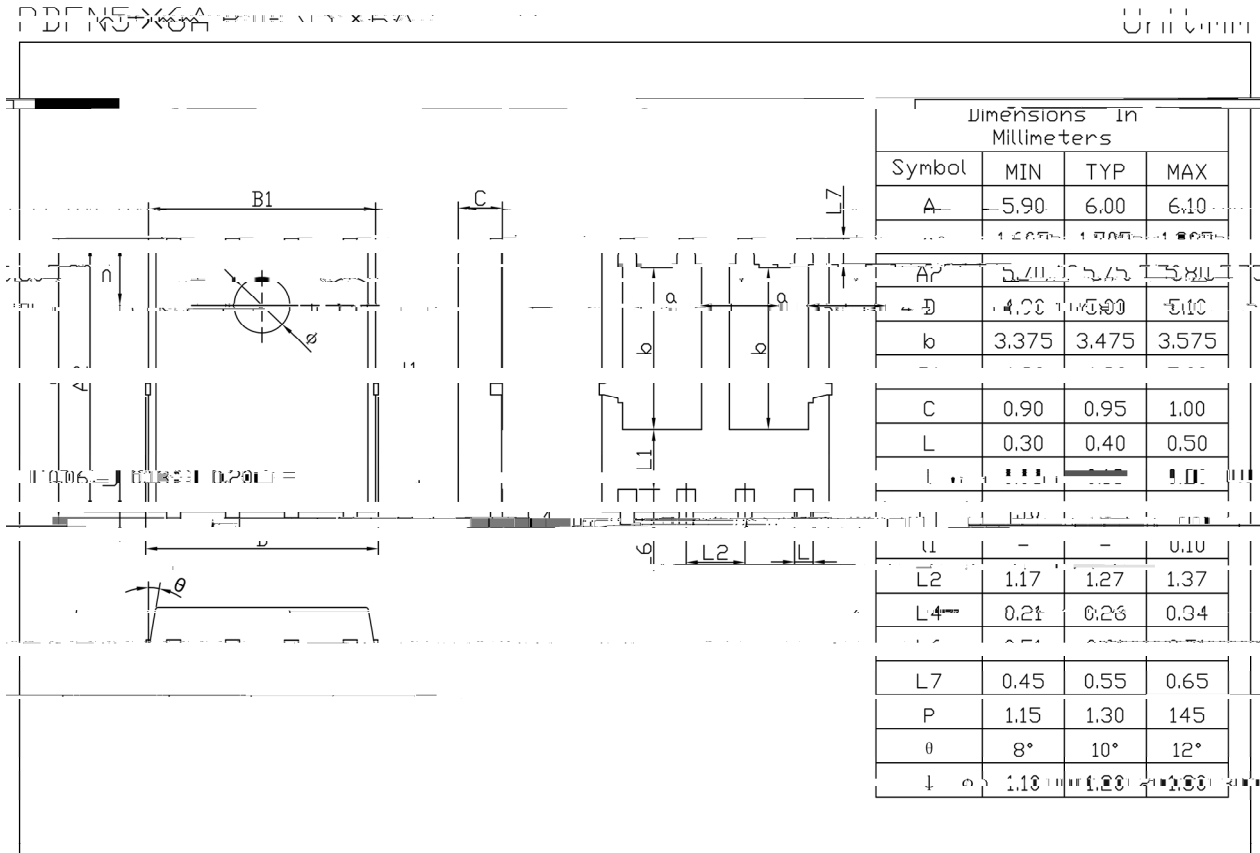


Figure 3: On-Resistance vs. Gate-Source Voltage

/ Electrical Characteristic Curve



/ Package Dimensions



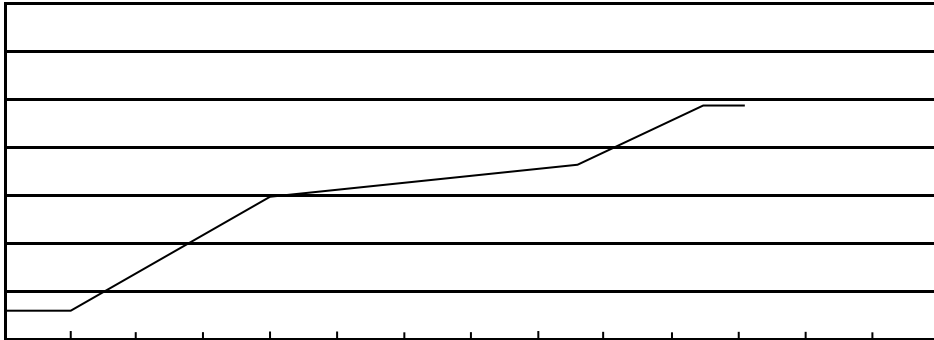
Rev.01 202209

/ Marking Instructions



- 9|
- 060N04
- !!!!
- Note
- BR Company Code
- 060N04 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..0.5sec; | | 2.Peak Temp.:245..5 , Duration:5..0.5sec. |
| 3 | | | 2 | 10 /sec. | 3. Cooling Speed: 2~10 /sec. |

/ Resistance to Soldering Heat Test Conditions

260..5 10..1 sec. Temp.:260..5 Time:10..1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	&	&	&	&	&			
PDFN5x6A	5000	2	10000	6	60000	13"×12	360×360×50	380×335×366

/ Notices