

BRCS060N04YM

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=10V$ $V_{DS}=20V$ $R_L=2\Omega$ $R_{GEN}=3\Omega$		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

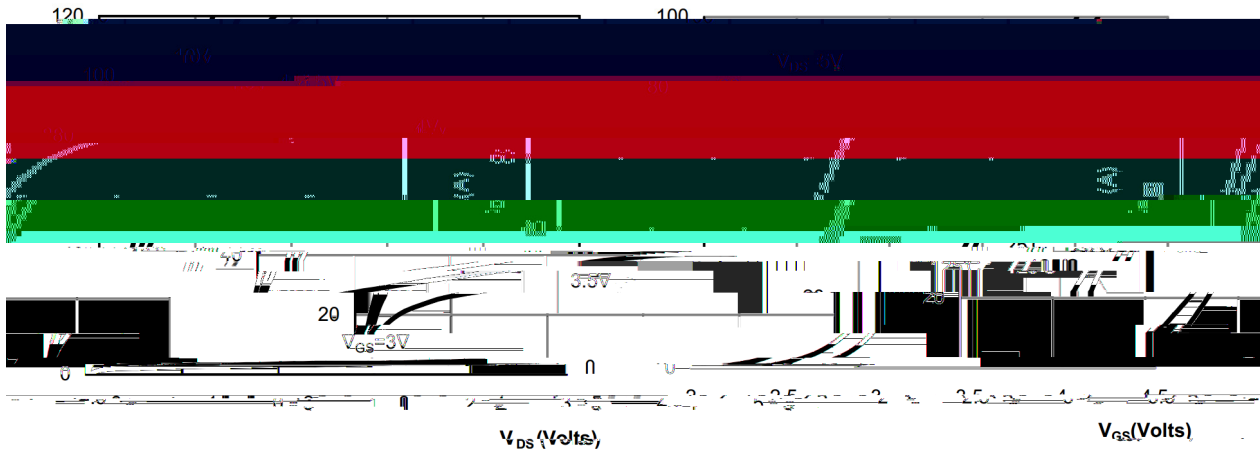


Figure 1: On-Resistance vs. Drain Current

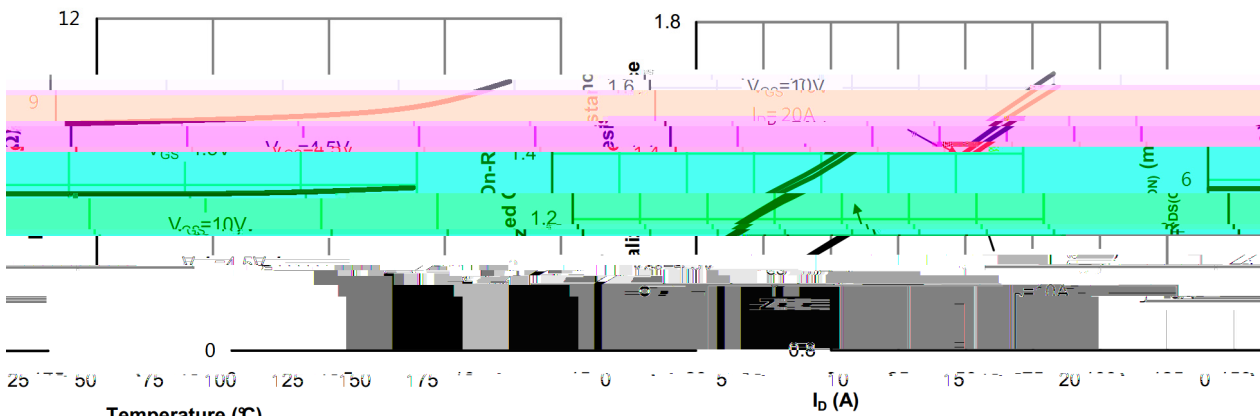


Figure 2: Transfer Characteristic

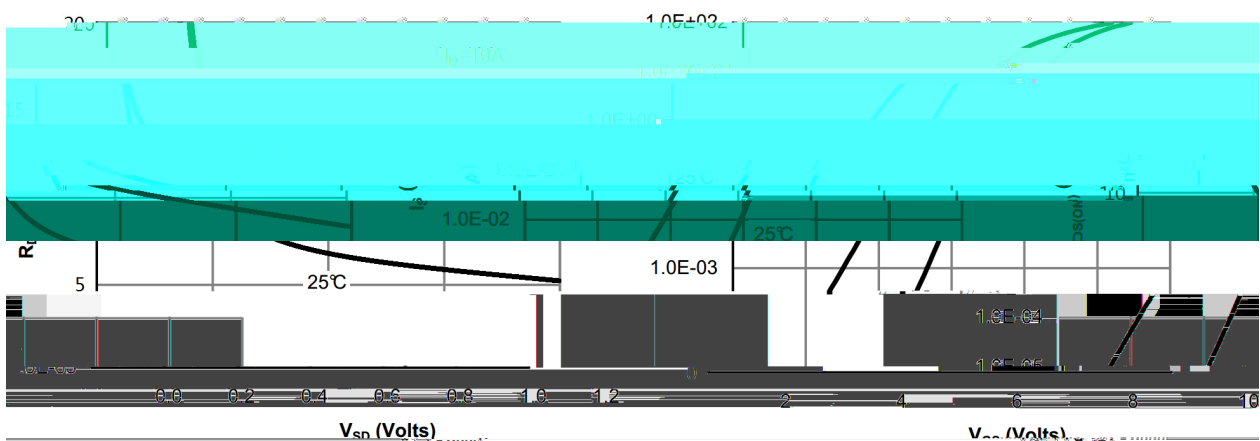
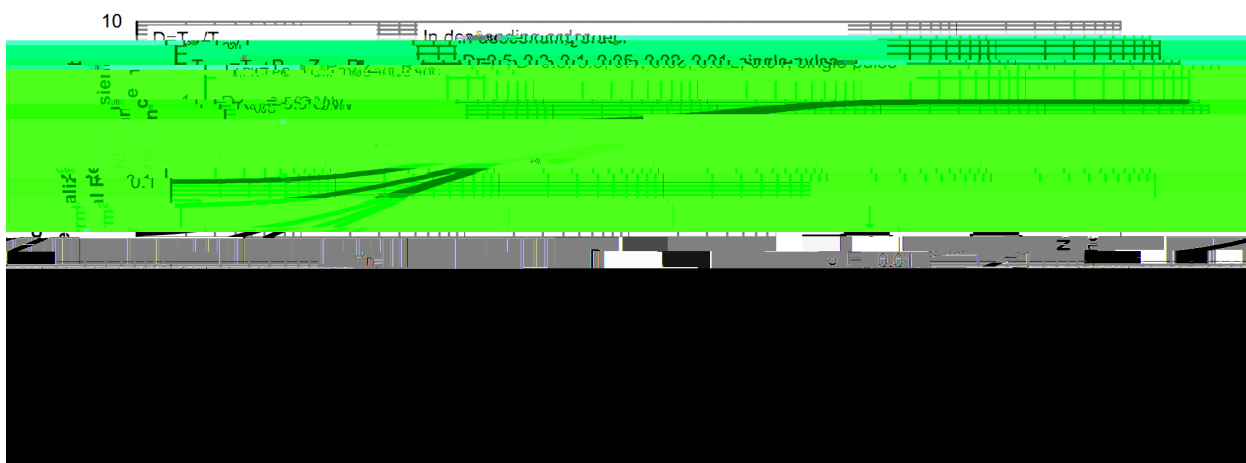
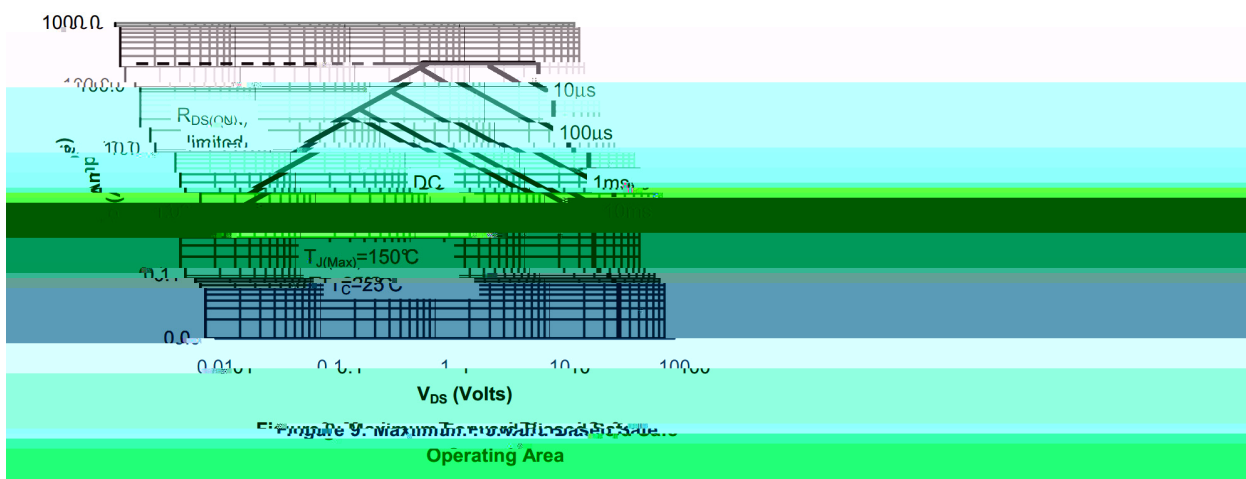
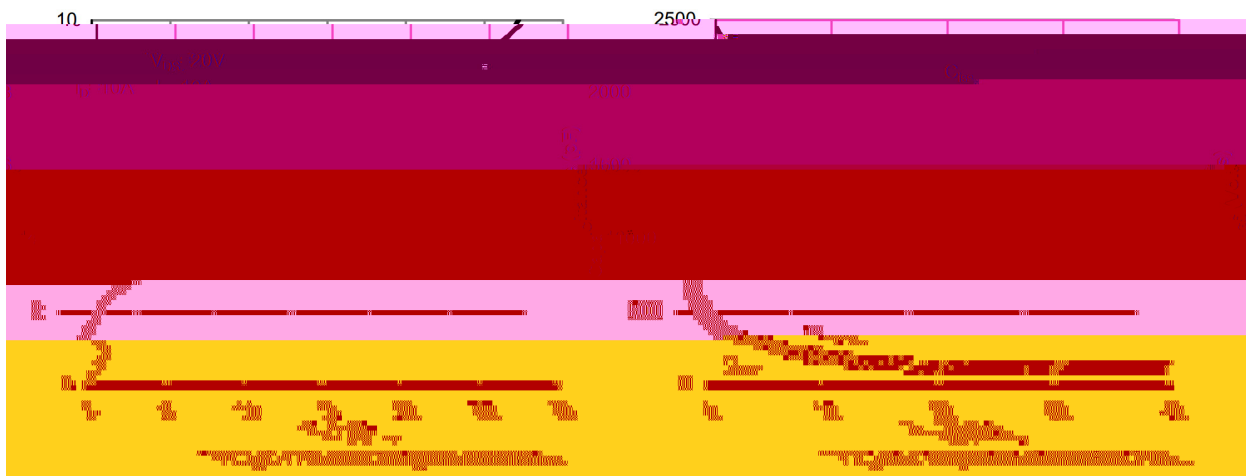
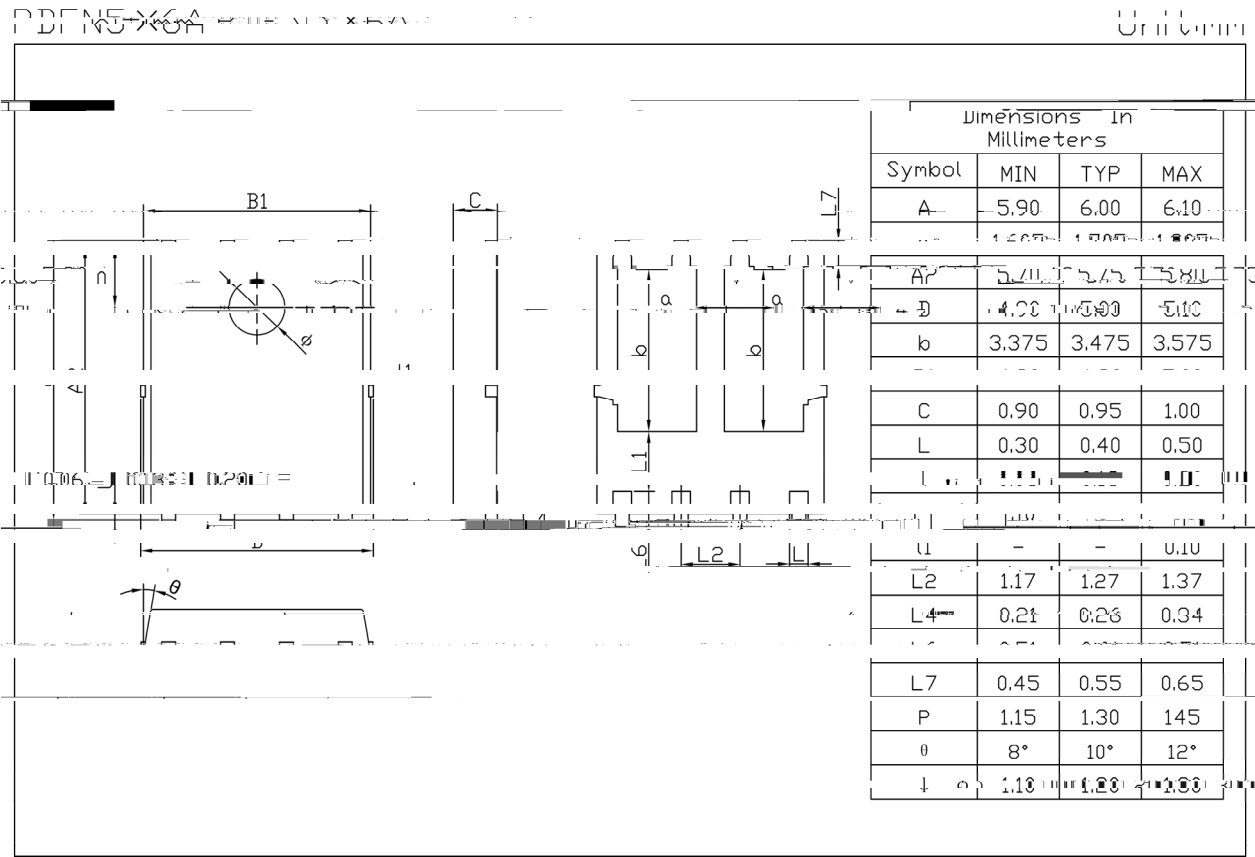


Figure 3: On-Resistance vs. Gate-Source Voltage

/ Electrical Characteristic Curve



I Package Dimensions



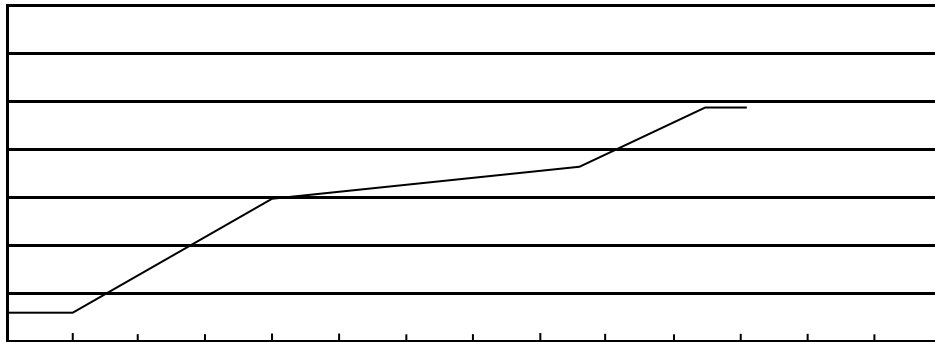
Rev.01 202209

/ Marking Instructions



EU	
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;
- 2 245^{±5%} 5^{±0.5}sec;
- 3 2 10%/sec.

- 1.Preheating:150~180%, Time:60~90sec.
- 2.Peak Temp.:245^{±5%}, Duration:5^{±0.5}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)		
	2	2	2	2	2			
PDFN5×6A	5000	2	10000	6	60000	13"×12	360×360×50	380×335×366

/ Notices