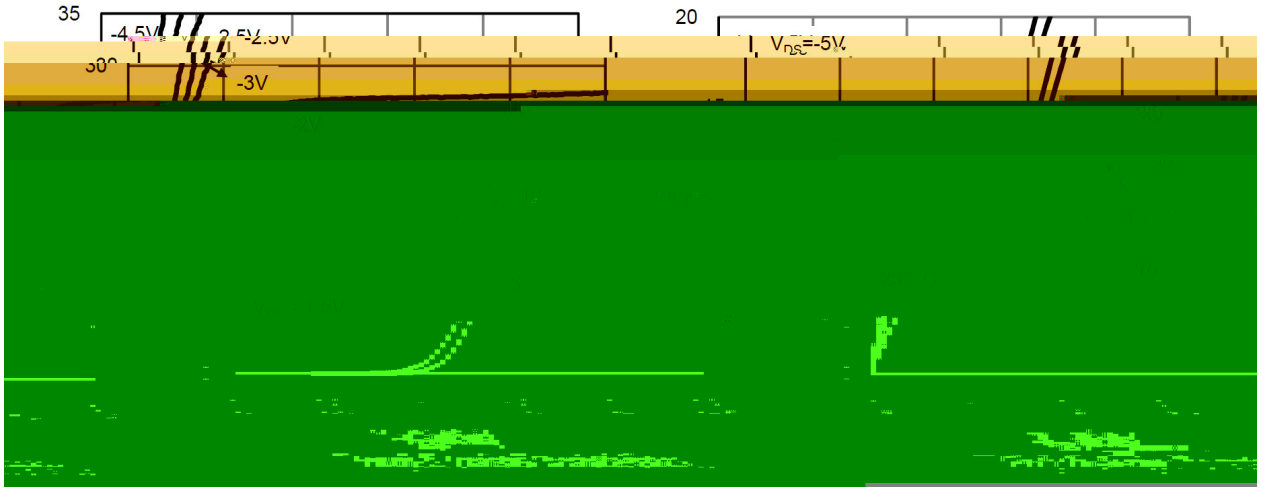
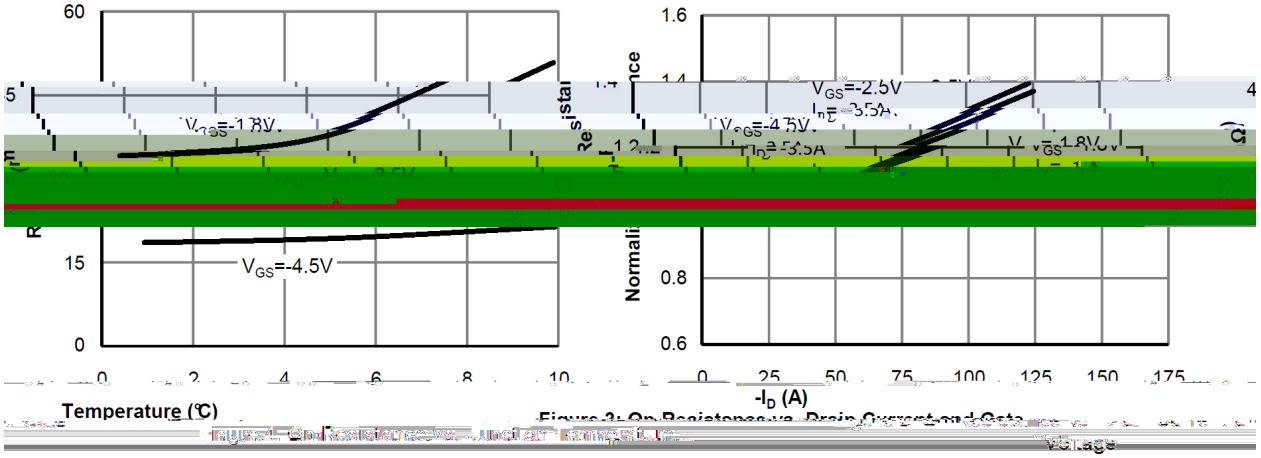
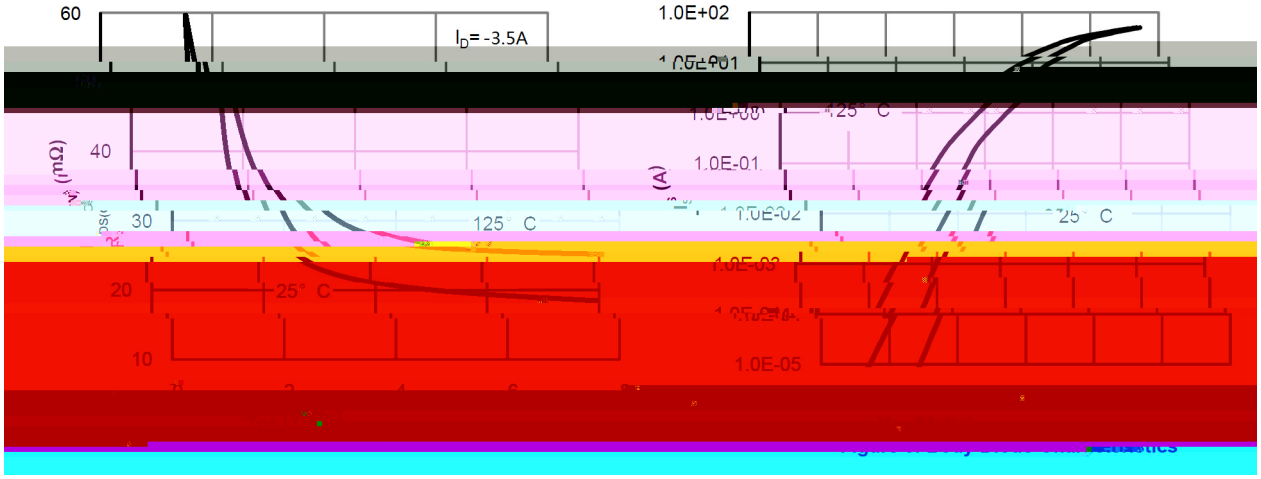
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Total Gate Charge	Q_g	V_{GS}=-4.5V, V_{DS}=-10V, I_D=-7.0A		10.4		nC
Gate Source Charge	Q_{gs}			1.1		
Gate Drain Charge	Q_{gd}			2.1		
Turn–On Delay Time	$t_{d(on)}$	V_{GS}=-4.5V I_D=-7.0A V_{DS}=-10V R_{GEN}=3		11.4		ns
Turn–On Rise Time	t_r			49.3		
Turn–Off Delay Time	$t_{d(off)}$			55.9		
Turn–Off Fall Time	t_f			31.6		

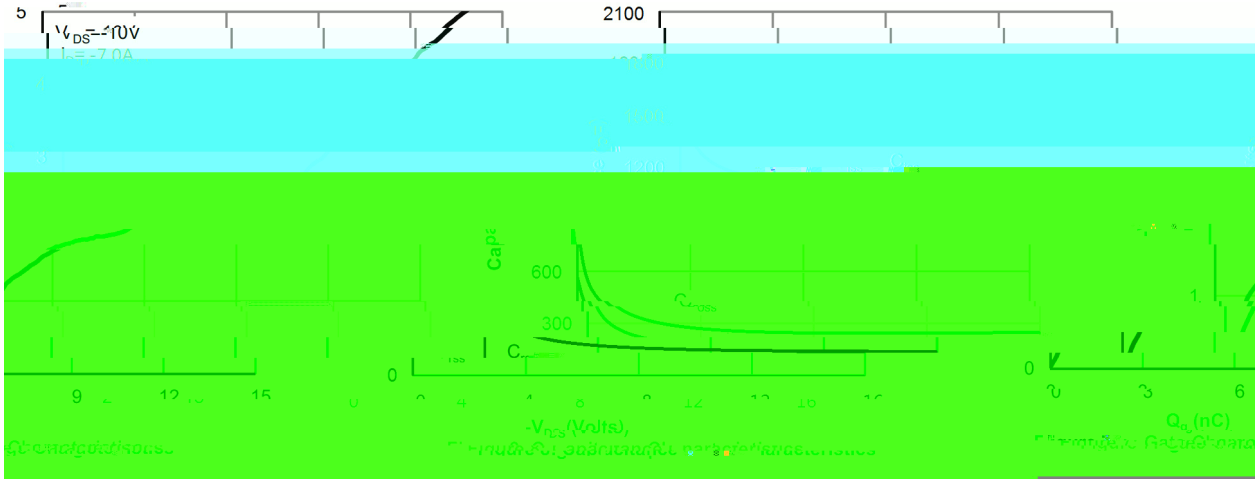
/ Electrical Characteristic Curve



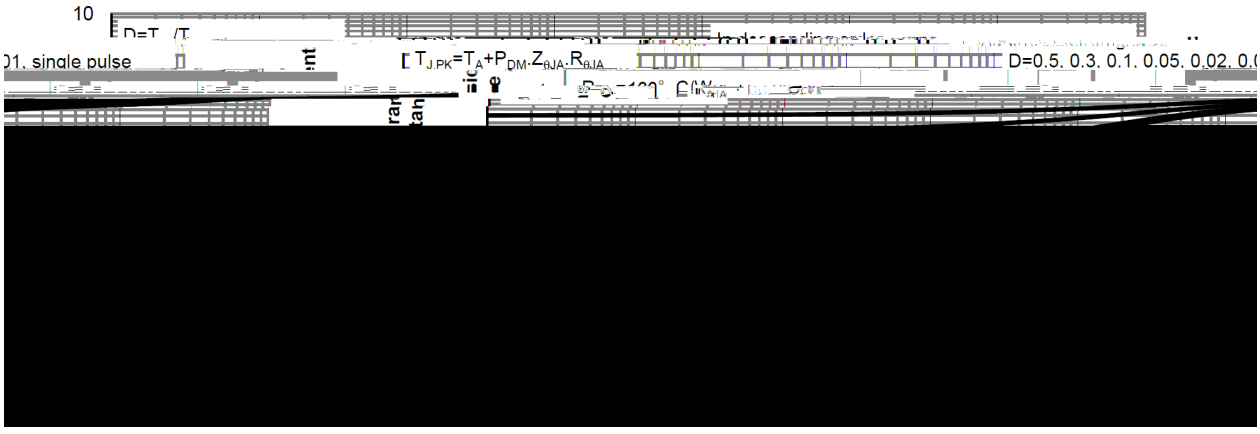




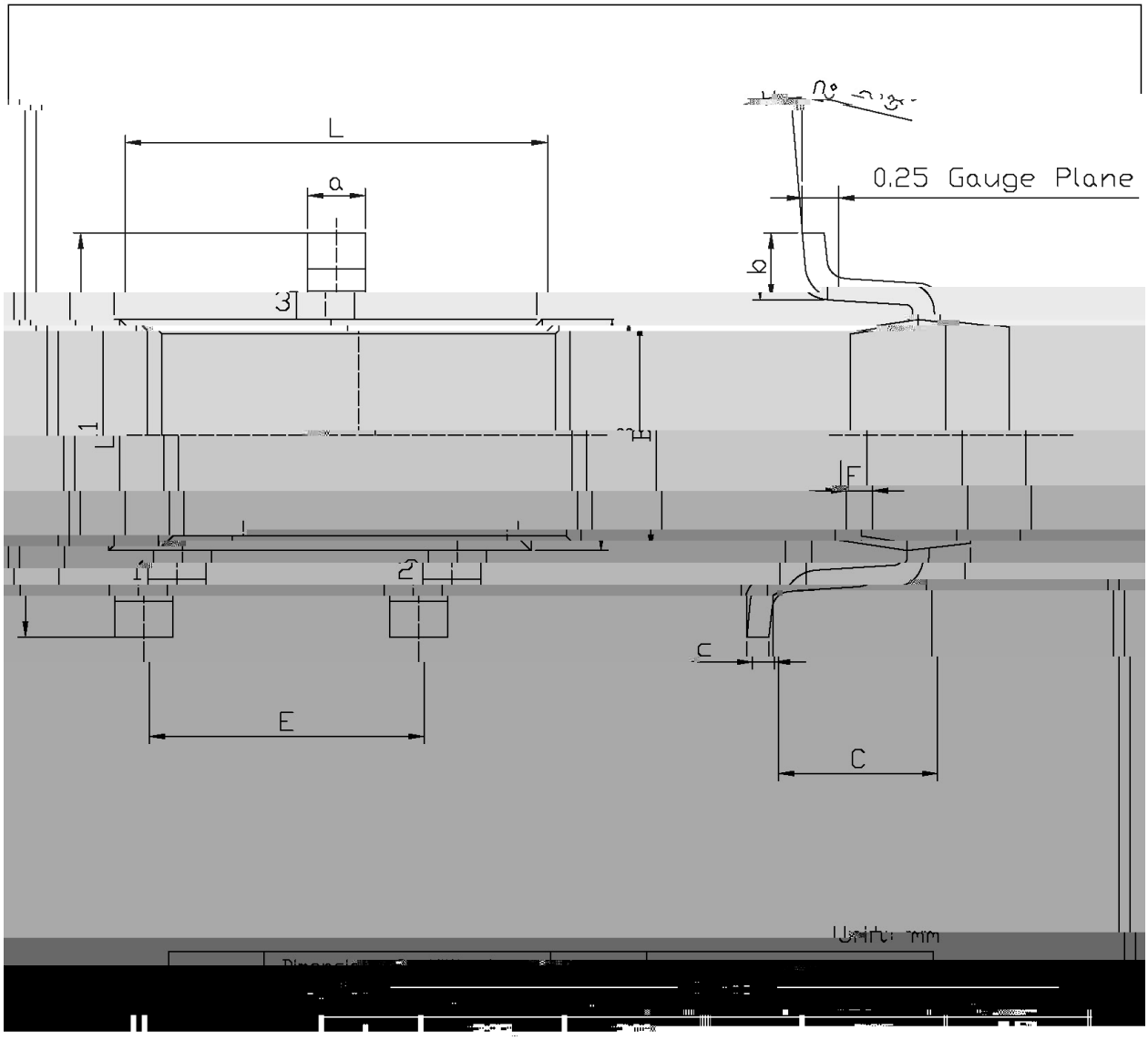
/ Electrical Characteristic Curve







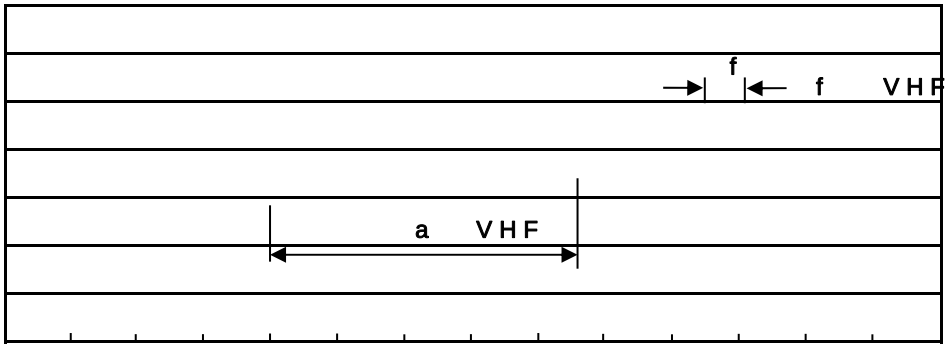
/ Package Dimensions



BRCS210P016MC

Rev.A Oct.-2025

( ) / 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 7>û ~ E	Units ;>û ¦H					Dimension ;>û p . (unit ÆEmm³)		
	Units/Reel / --	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box×	Outer Box1ç
SOT23-3	3,000	10	30,000	4	120,000	7 s ×8	210×205×205	445×435×230

/ Notices

All information provided in this document is subject to legal disclaimers.