

BRCS3407MC

Rev.F May.-2025

DATA SHEET

BRC3407MC

Rev.F May.-2025



DATA SHEET

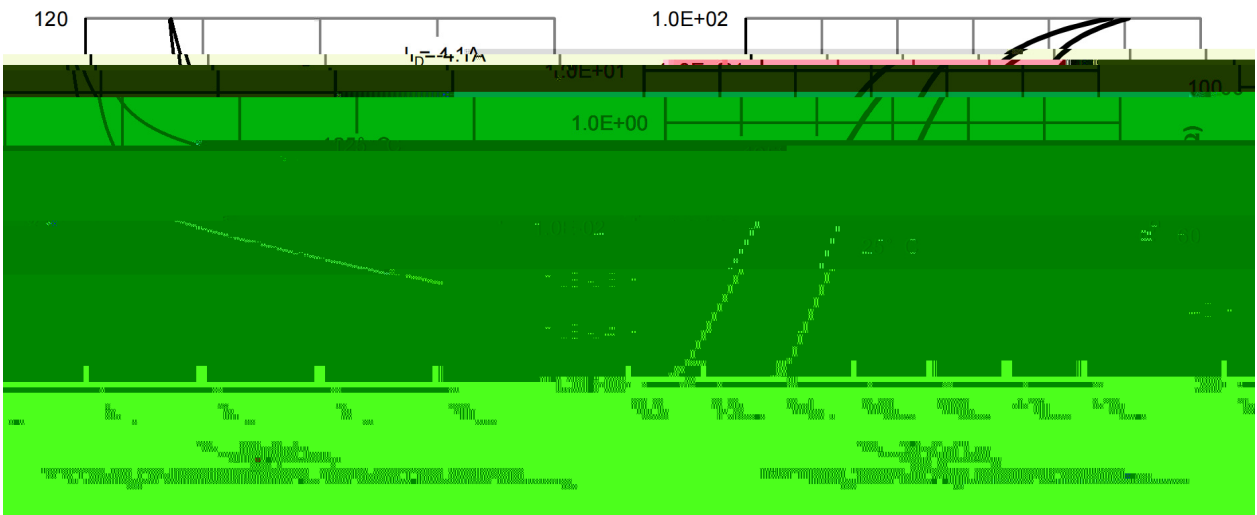
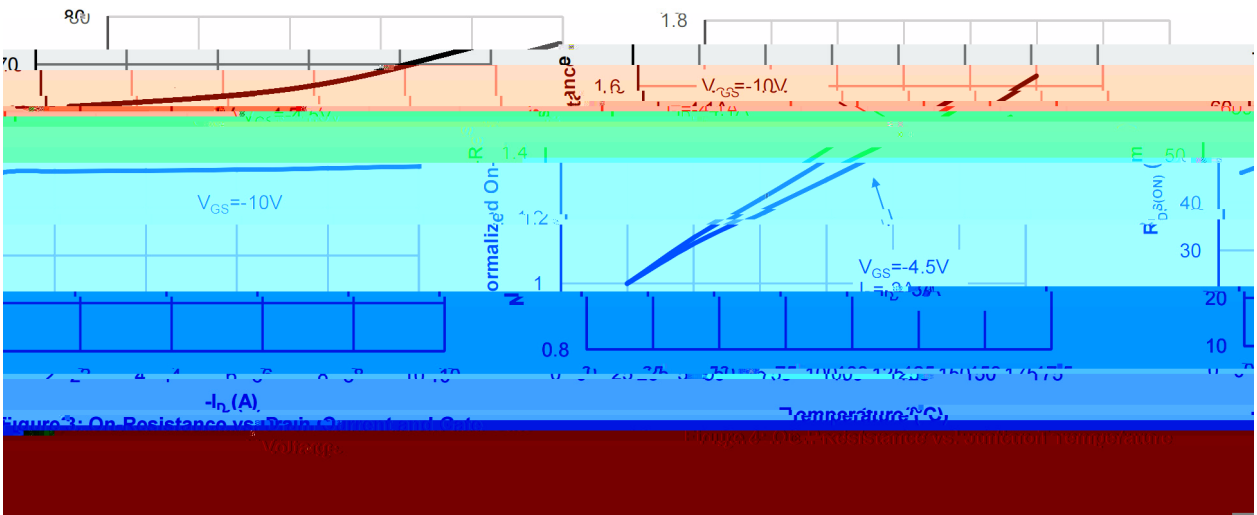
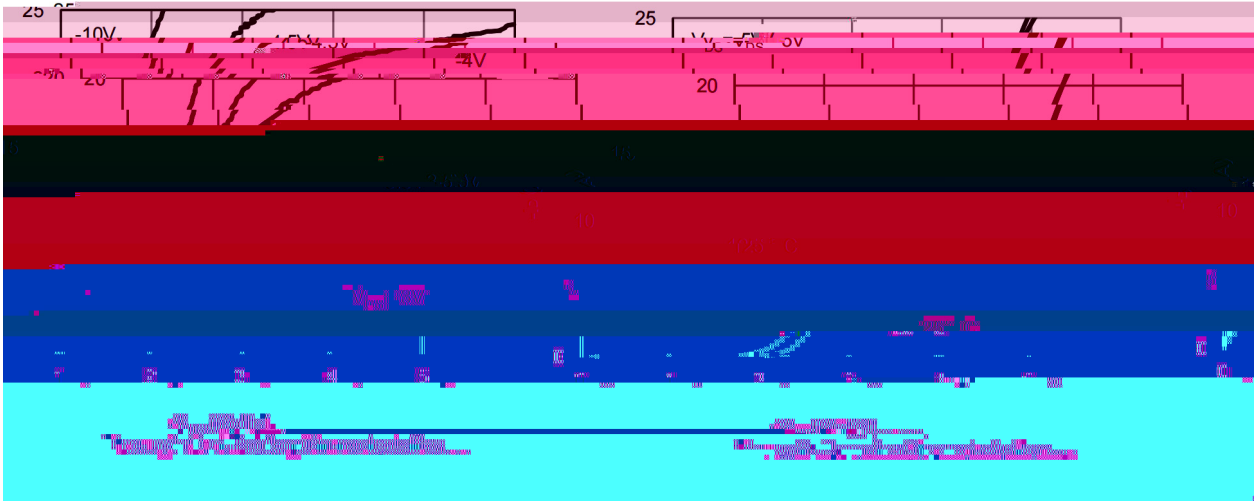
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Total Gate Charge	$Q_g(10V)$	$V_{GS}=-10V, \quad V_{DS}=-15V,$ $I_D=-4.1A$		8.5		nC
Total Gate Charge	$Q_g(4.5V)$			4.5		
Gate Source Charge	Q_{gs}			1.5		
Gate Drain Charge	Q_{gd}			2.0		

Turn-On Delay Time

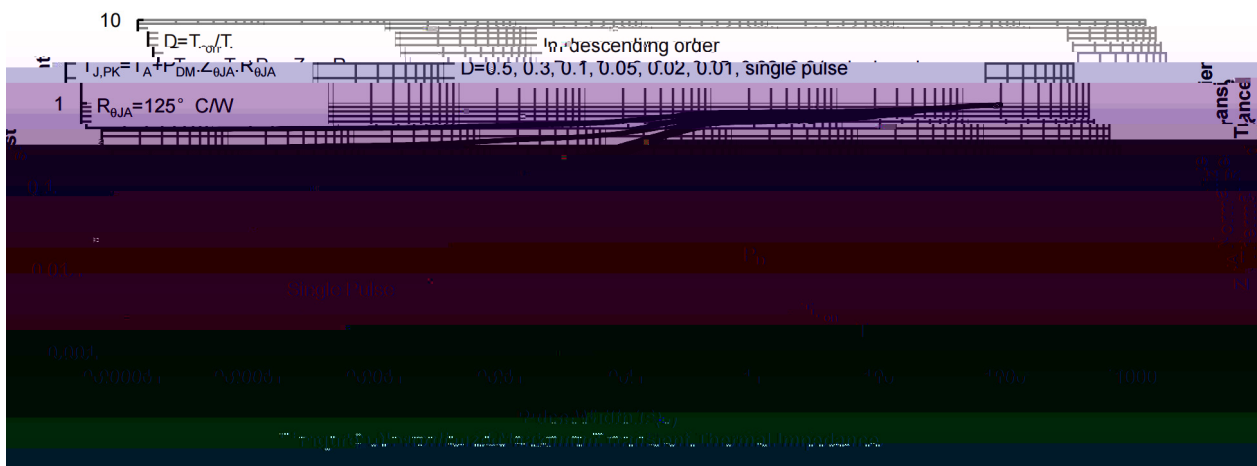
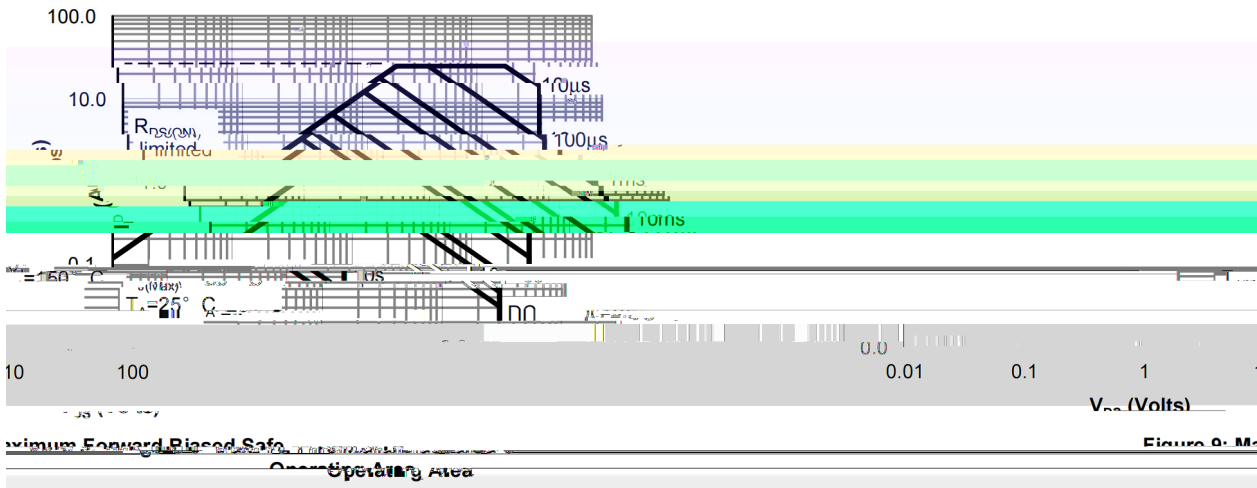
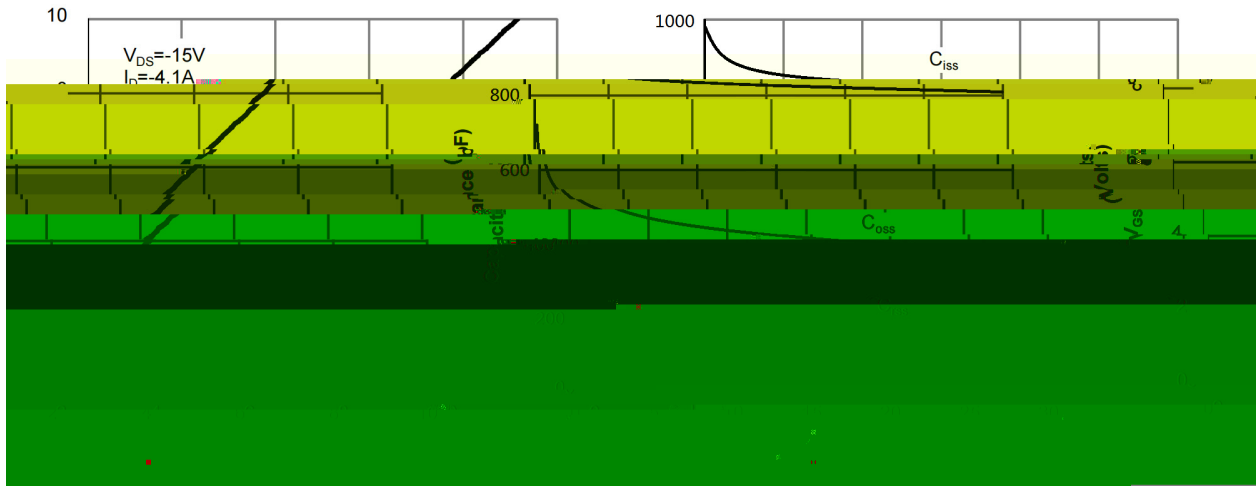
$t_{d(on)}$

V_{GSg}

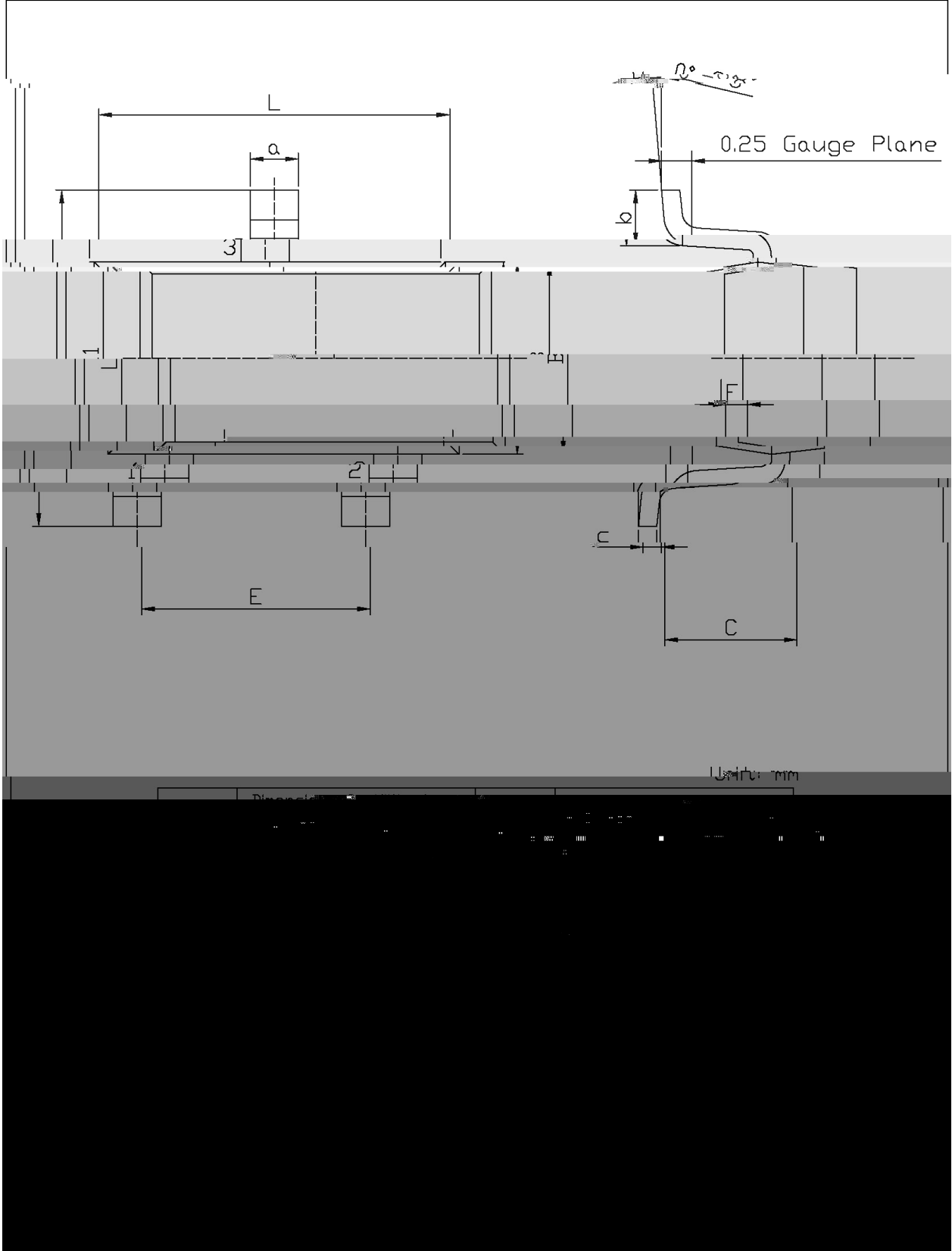
/ Electrical Characteristic Curve



/ Electrical Characteristic Curve



/ Package Dimensions



BRCS3407MC

Rev.F May.-2025

H

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

- | | | | | | |
|---|-----|-----|----|----------|---|
| | | | | | |
| 1 | 150 | 180 | 60 | 90sec; | Note: 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