

# BRCS2C0P10SC

Rev.A Jul.-2025

## / Descriptions

SOP-8 P MOS

P-Channel Enhancement Mode Field Effect Transistor in a SOP-8 Plastic Package.

## / Features

$V_{DS} (V) = -100V$   $I_D = -5.0A (V_{GS} = \pm 20V)$

$R_{DS(ON)}@-10V$  200m (Typ.163m )

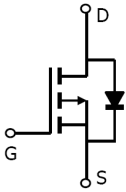
$R_{DS(ON)}@-4.5V$  230m (Typ.177m )

HF Product.

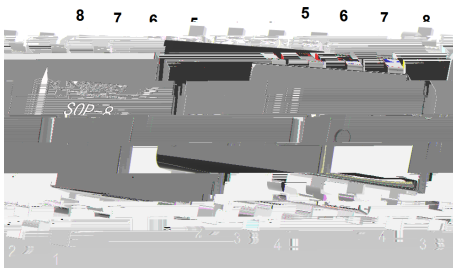
## / Applications

Motor driver appliances, High power inverter system, Adapter appliances.

## / Equivalent Circuit



## / Pinning



PIN 1	S	PIN 2	S	PIN 3	S	PIN 4	G
PIN 5	D	PIN 6	D	PIN 7	D	PIN 8	D

## / Marking

See Marking Instructions.

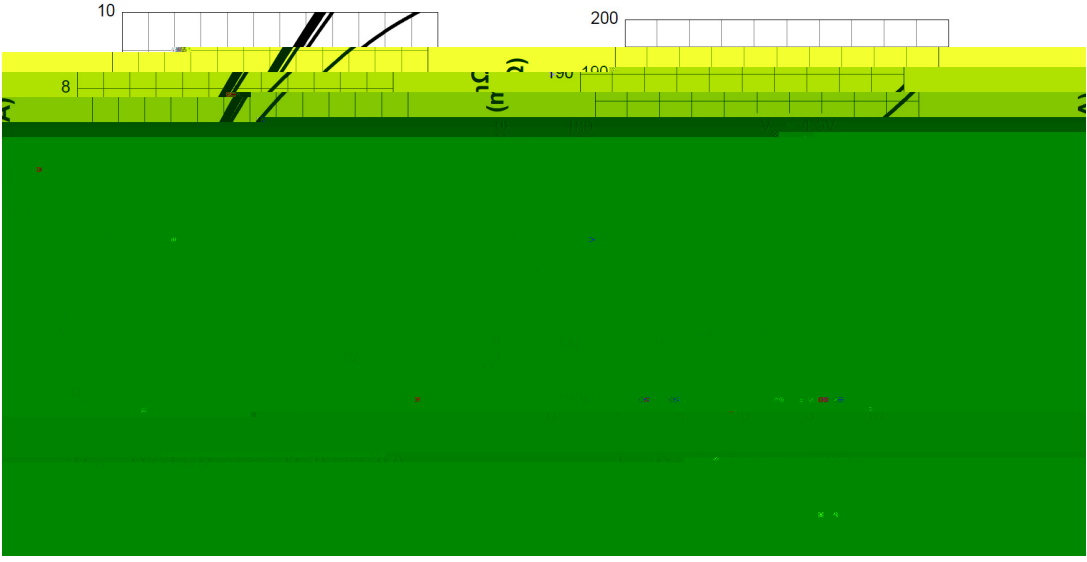
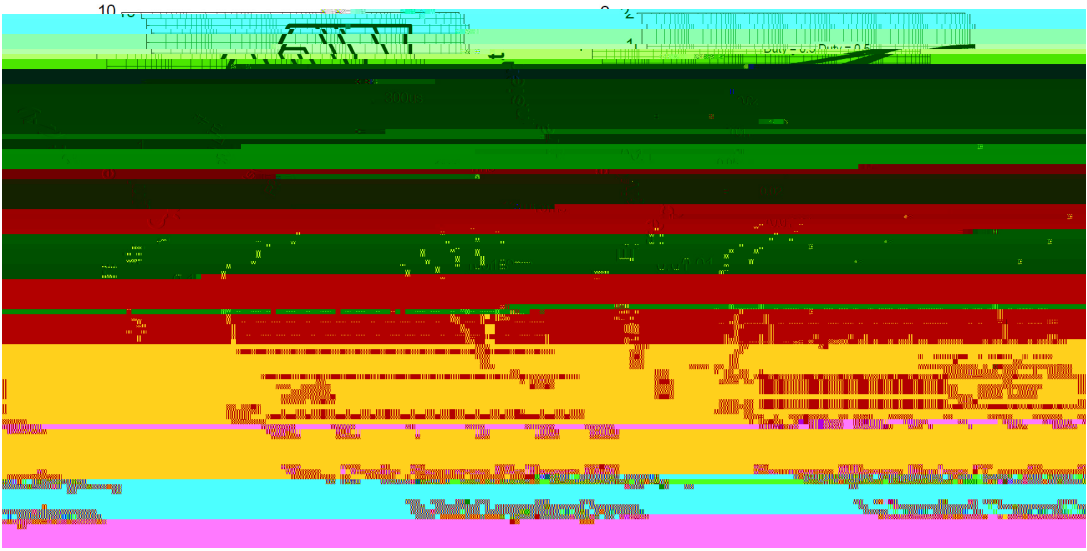
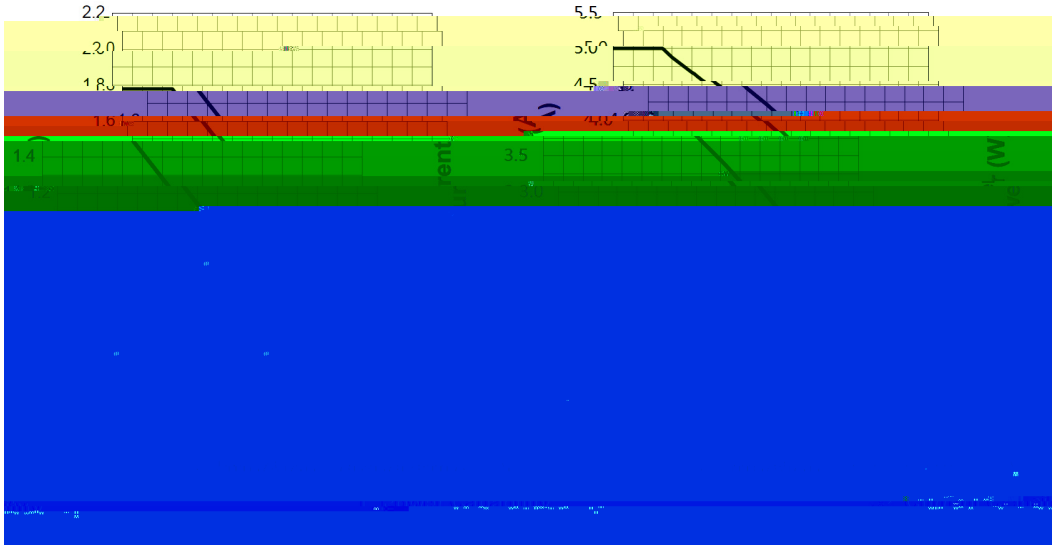
Parameter

Symbol

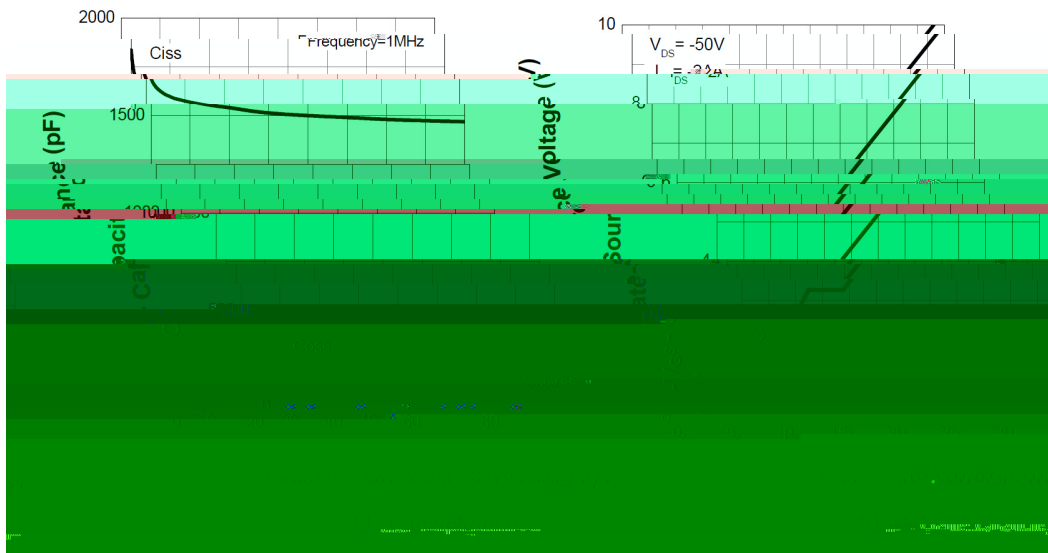
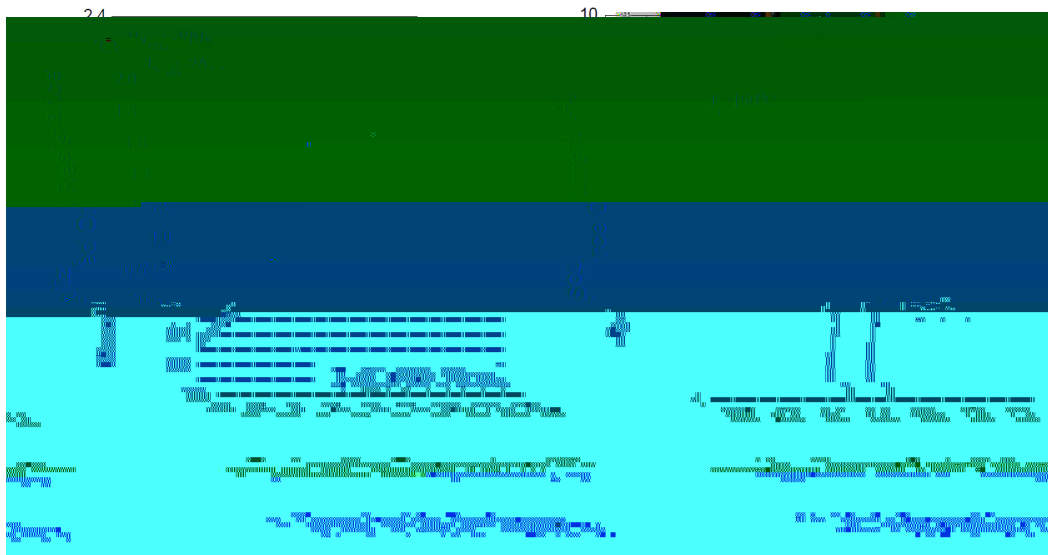
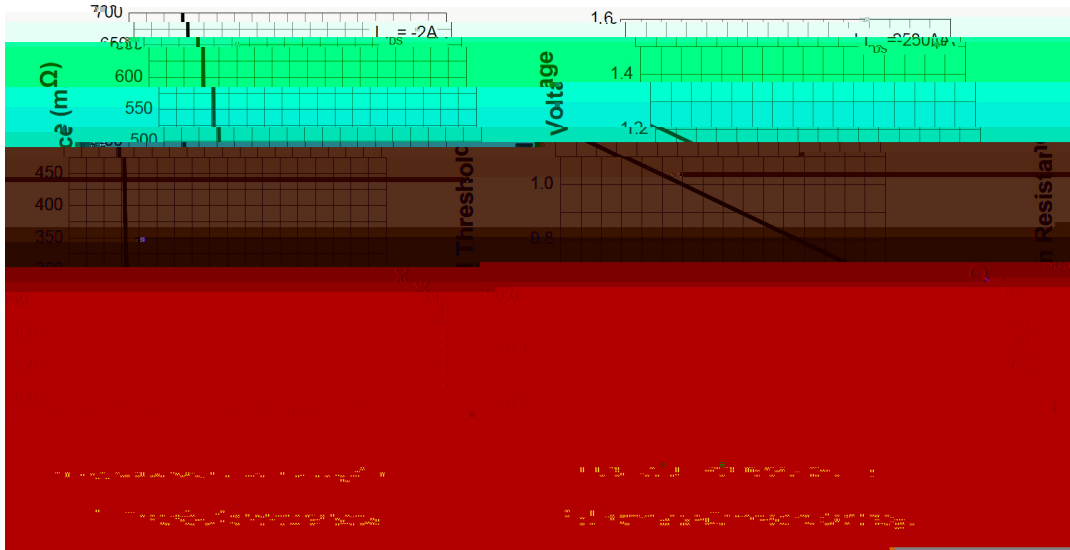
Rating

Parameter	Symbol	Test Conditions	Min
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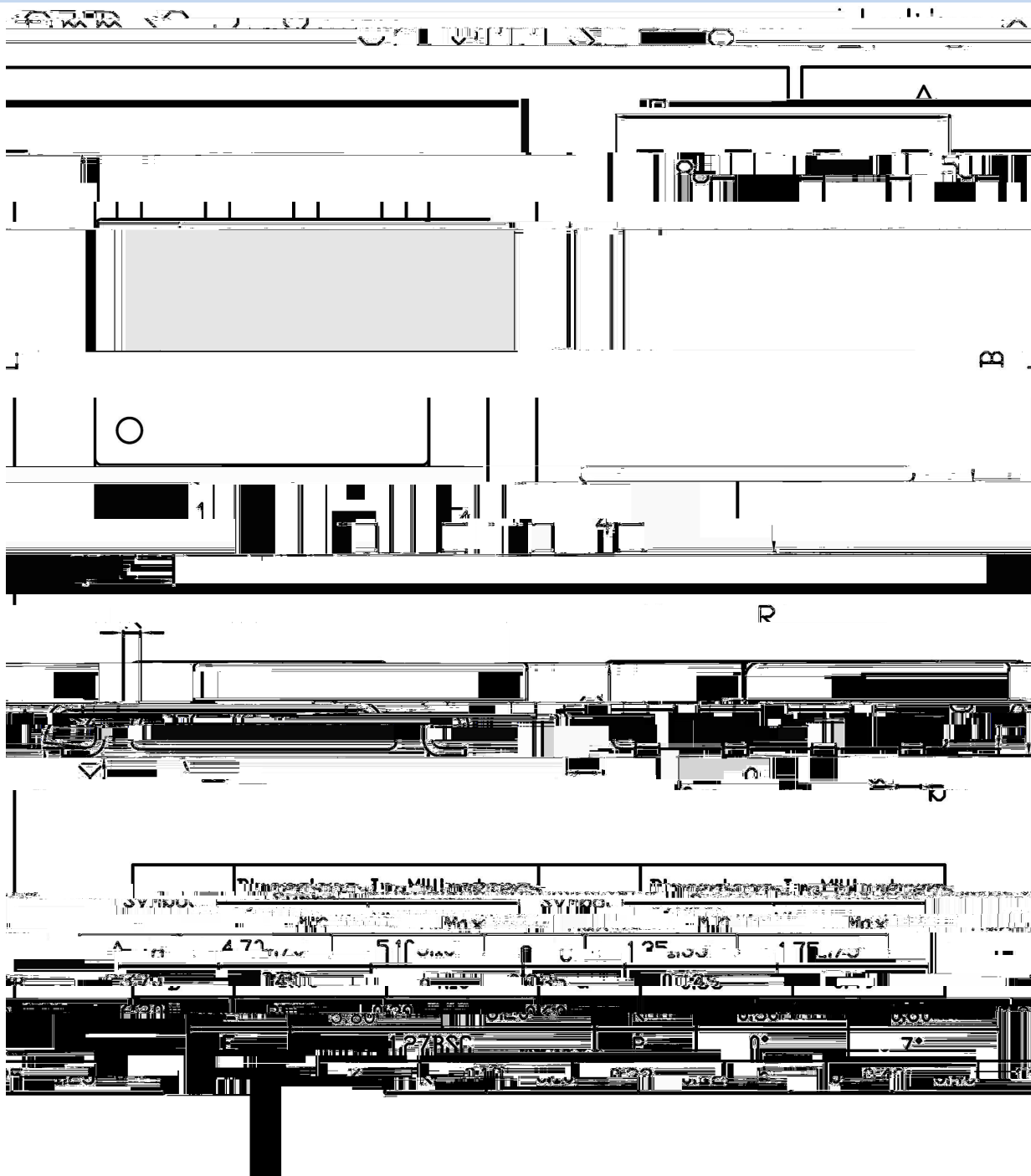
/ **Electrical Characteristic Curve**



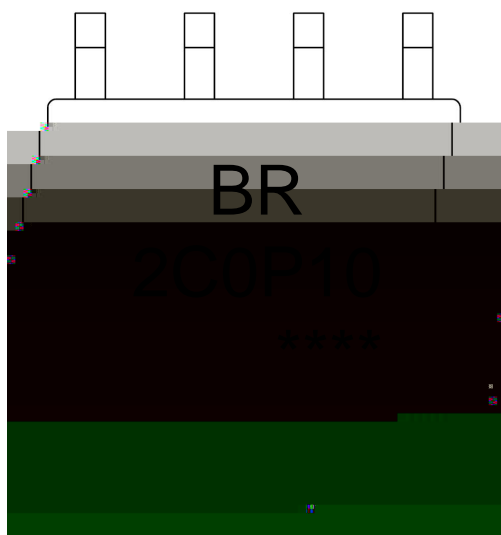
/ Electrical Characteristic Curve



## / Package Dimensions



## / Marking Instructions



BR

2C0P10

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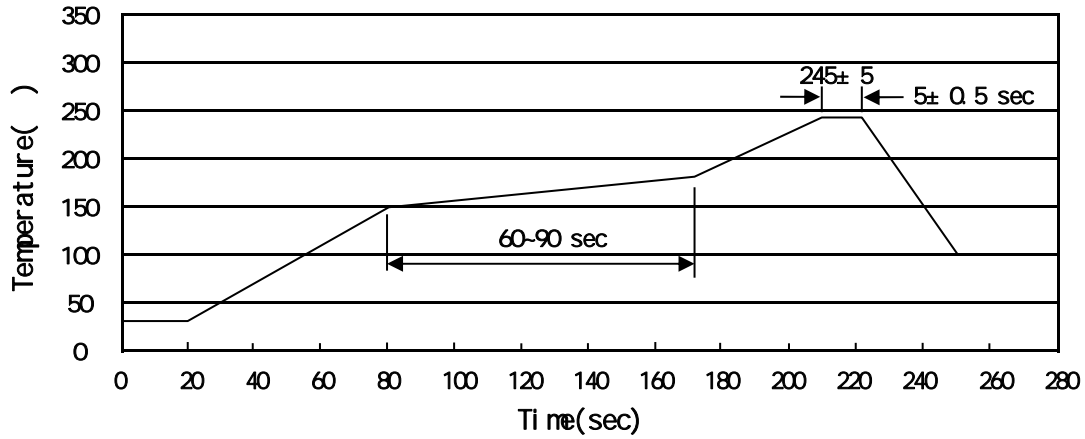
Note:

BR: Company Code

2C0P10: Product Type Code

\*\*\*\*: 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±0.5 | sec;     | 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 <sup>3</sup> )		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
SOP/ESOP-8	4,000	2	8,000	6	48,000	13 x12	360x360x50	380x335x366

**/ Notices**

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