

**/ Descriptions**

SOP-8          P          MOS

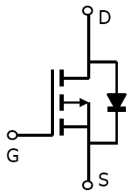
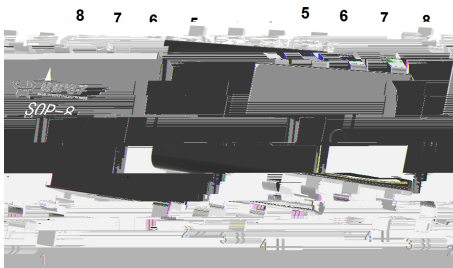
P-Channel Enhancement Mode Field Effect Transistor in a SOP-8 Plastic Package.

**/ Features** $V_{DS} (V) = -100V$        $I_D = -5.0A$  ( $V_{GS} = \pm 20V$ ) $R_{DS(ON)}@-10V \leq 200m\Omega$  (Typ.163m $\Omega$ ) $R_{DS(ON)}@-4.5V \leq 230m\Omega$  (Typ.177m $\Omega$ )

HF Product.

**/ Applications**

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

**/ Equivalent Circuit****/ Pinning**

|       |   |       |   |       |   |       |   |
|-------|---|-------|---|-------|---|-------|---|
| PIN1  | 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.

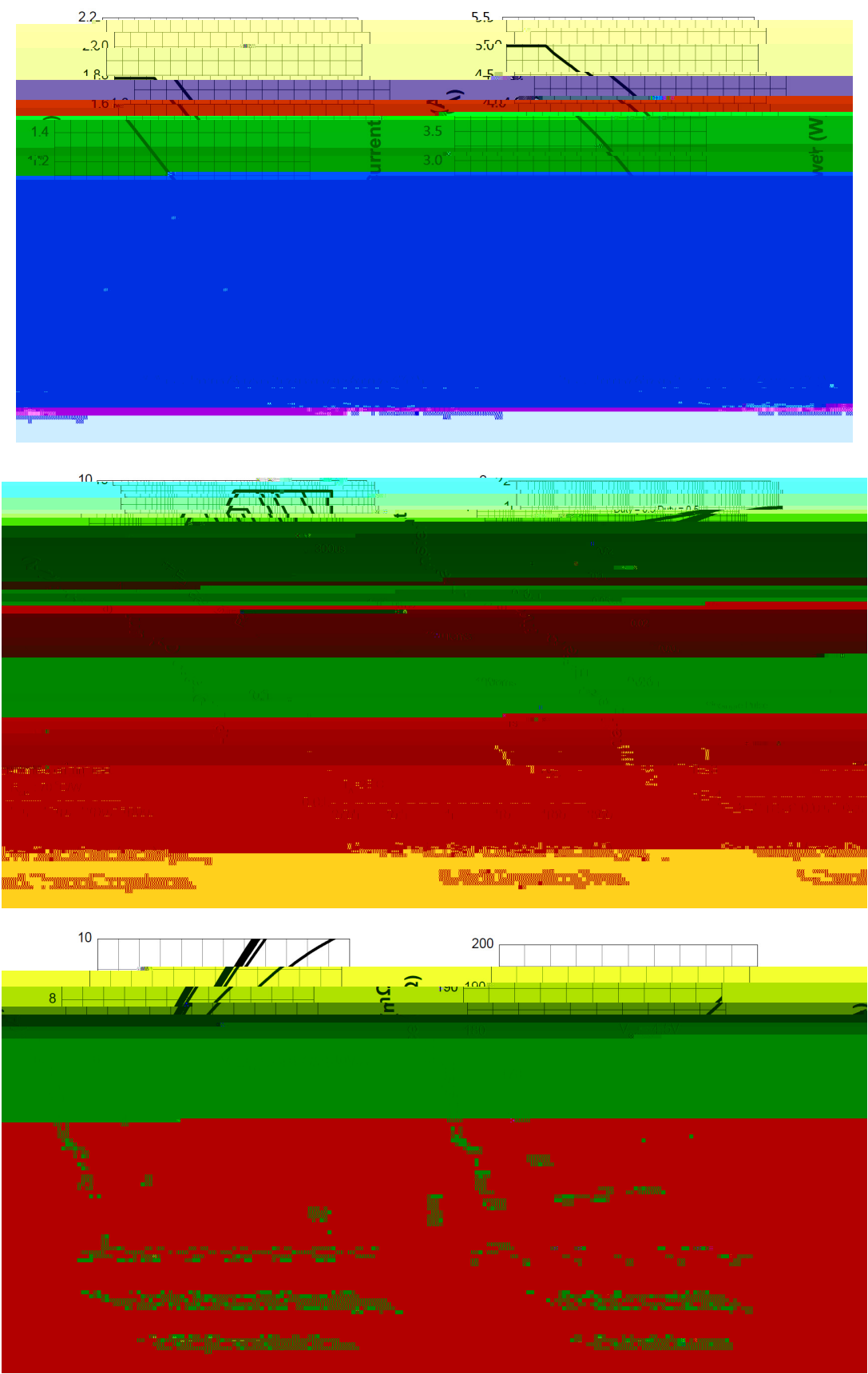
| Parameter | Symbol | Rating |
|-----------|--------|--------|
|-----------|--------|--------|

## Rev.A Jul.-2025

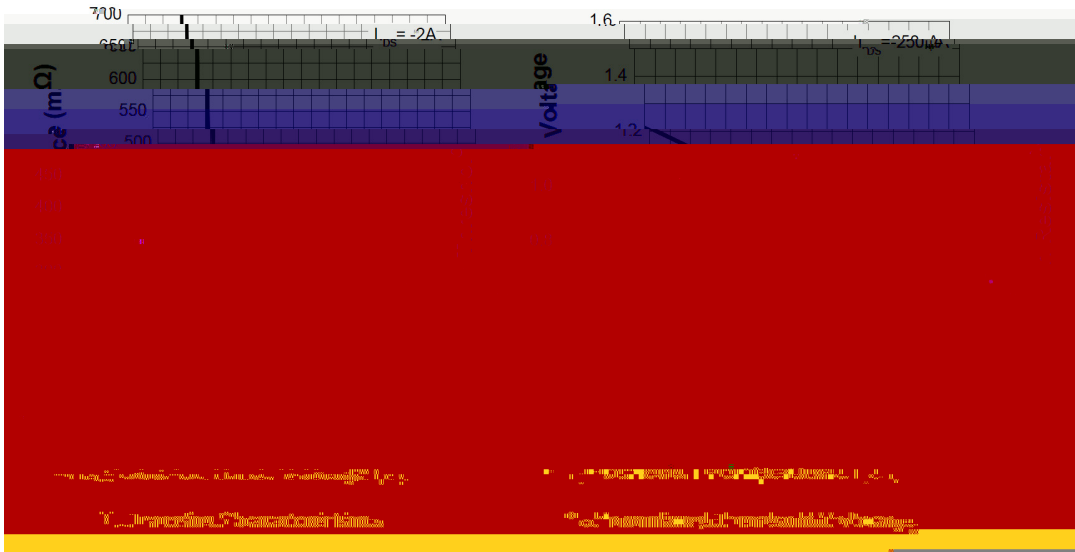
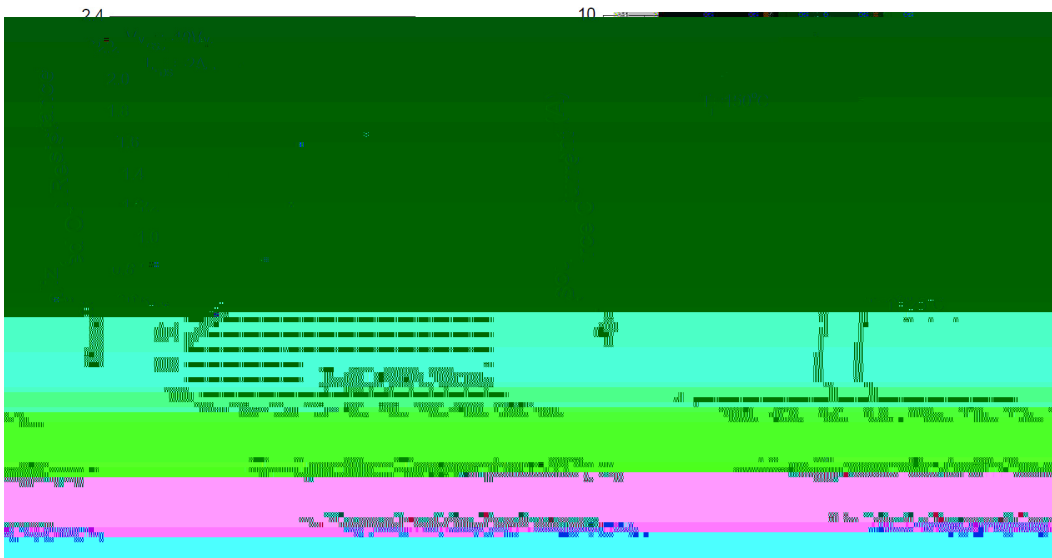
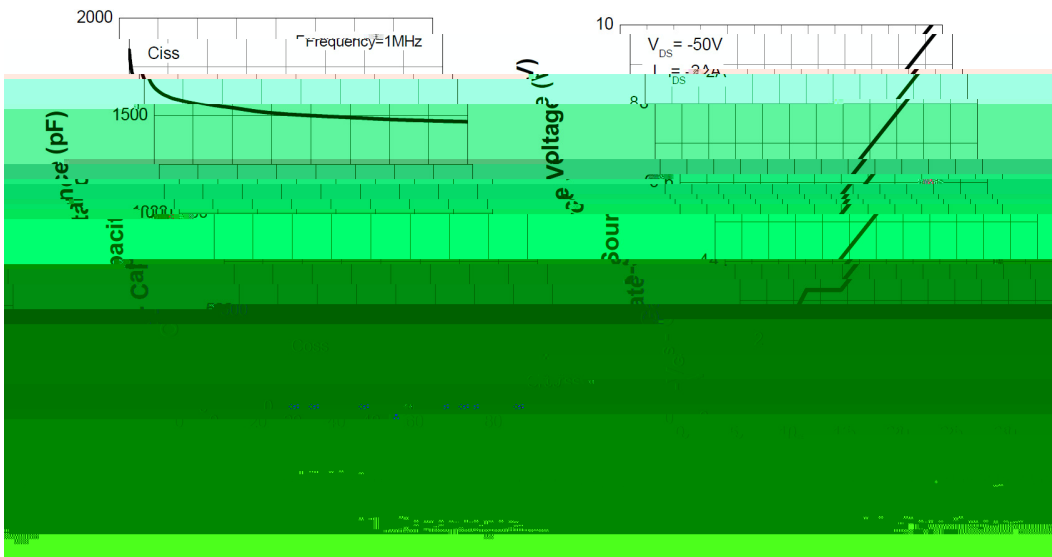


| Parameter | Symbol | Test Conditions | Min |
|-----------|--------|-----------------|-----|
|-----------|--------|-----------------|-----|

/ Electrical Characteristic Curve



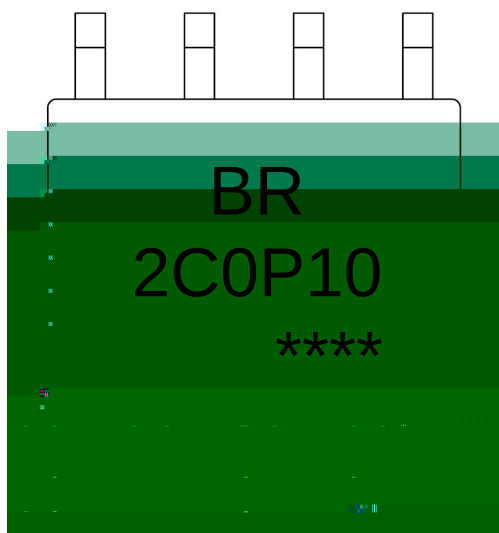
/ Electrical Characteristic Curve



/ Package Dimensions



## / Marking Instructions



BR

2C0P10

\*\*\*\*

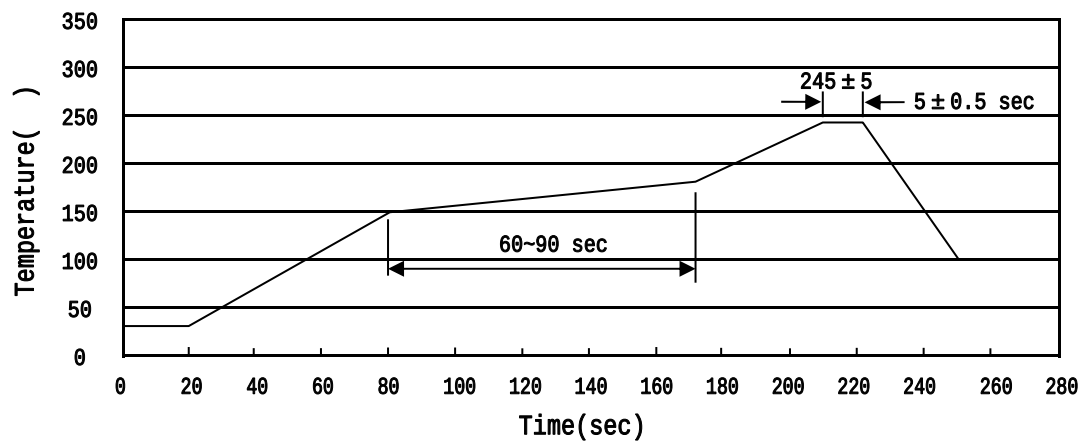
Note:

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 °C , Time:60~90sec.   |
| 2 | 245±5 |     |    | 5±0.5sec; | 2.Peak Temp.:245±5 °C , Duration:5±0.5sec. |
| 3 |       | 2   | 10 | /sec.     | 3. Cooling Speed: 2~10 °C/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 ×12                            | 360×360×50 | 380×335×366 |

/ Notices

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