

## / Descriptions

Н-канальный MOSFET в корпусе TO-252

N-Channel MOSFET in a TO-252 Plastic Package.

## / Features

$V_{DS}=200V$   $I_D=18A$   $V_{GS}=\pm 20V$

$R_{DS(on)}@10V \leq 170m\Omega$  (Type.115m $\Omega$ )

$R_{DS(on)}@6V \leq 200m\Omega$  (Type.130m $\Omega$ )

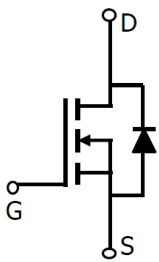
Низкая частота переключения HF Product.

## / Applications

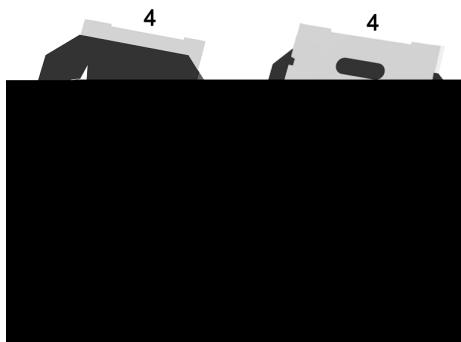
Сетевые переключатели, светодиодные приложения

Networking, Load Switch, LED applications.

## / Equivalent Circuit



## / Pinning



PIN 1  $\chi$  G

PIN 2  $\chi$  D

PIN 3  $\chi$  S

## / Marking

См. инструкции по маркировке

See Marking Instructions.

$V_{DS}$   
Parameter

$I_D$

| Parameter          | Symbol      | Test Conditions                           | Min | Typ | Max | Unit |
|--------------------|-------------|-------------------------------------------|-----|-----|-----|------|
| Turn-On Delay Time | $t_{d(on)}$ | $V_{GS}=10V$ $V_{DS}=75V$<br>$R_{GEN}=3F$ |     |     |     |      |

/ Electrical Characteristic Curve

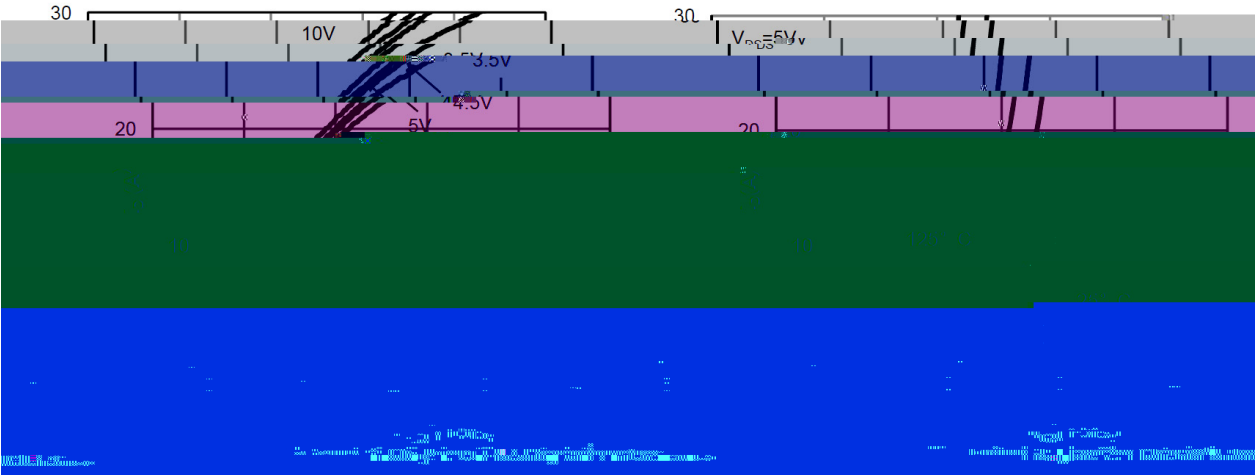
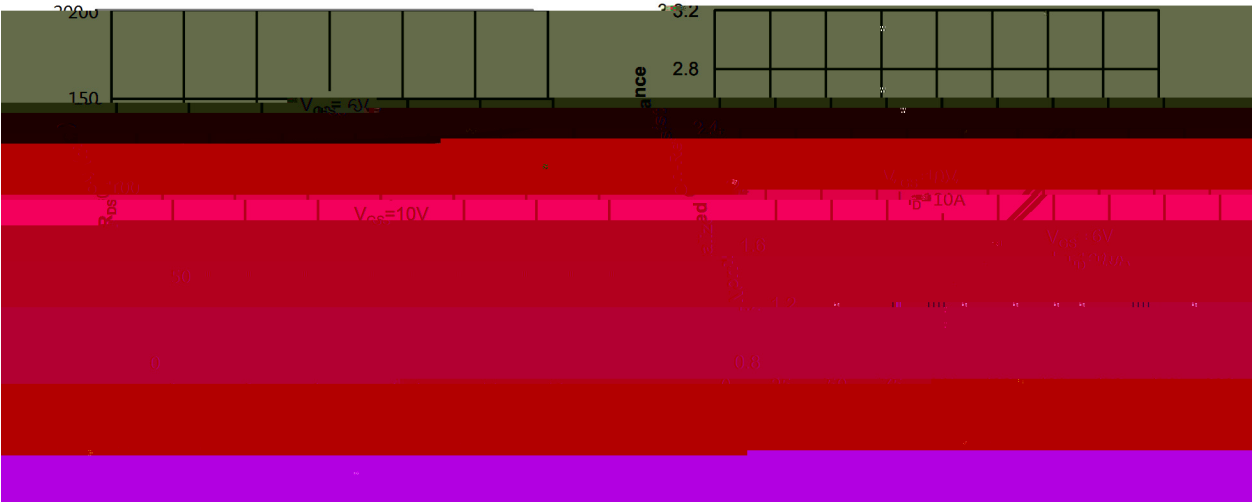
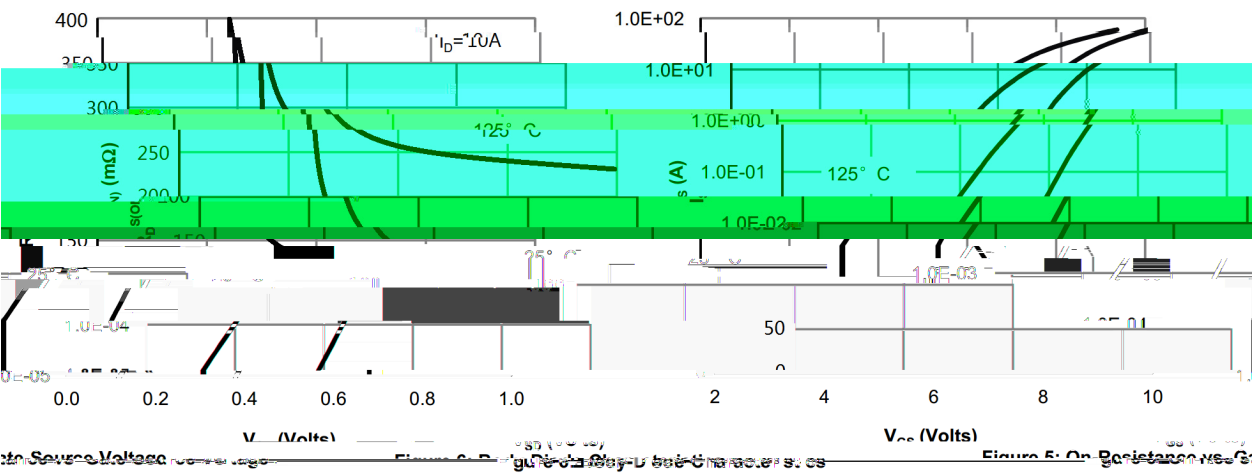
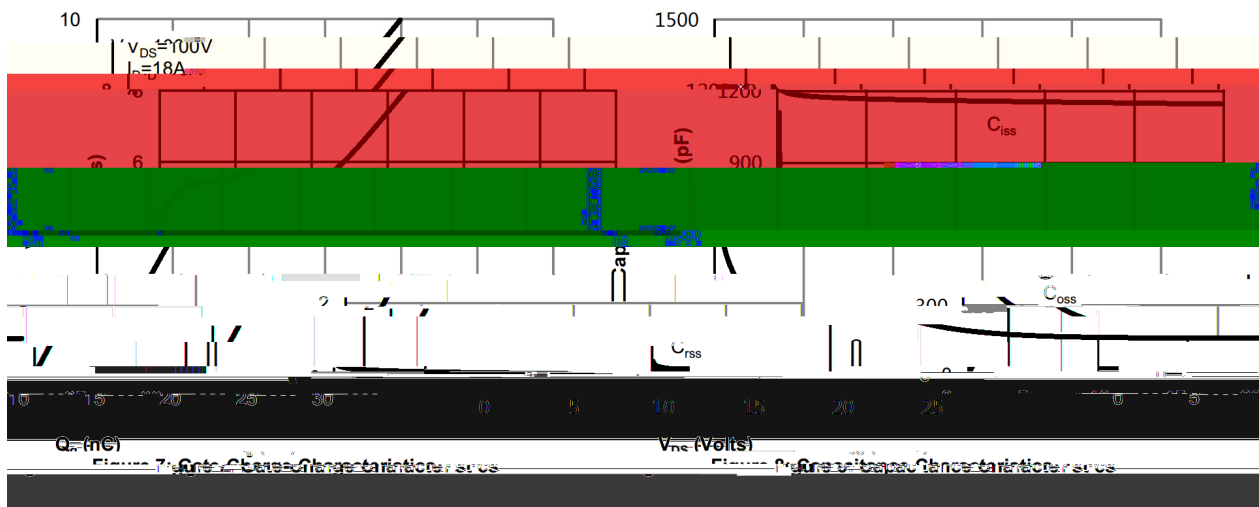
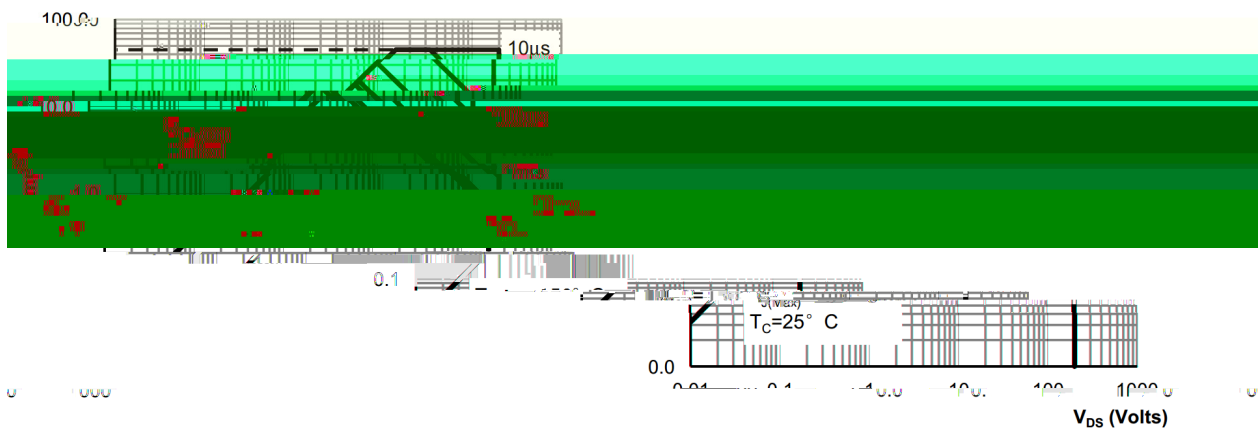
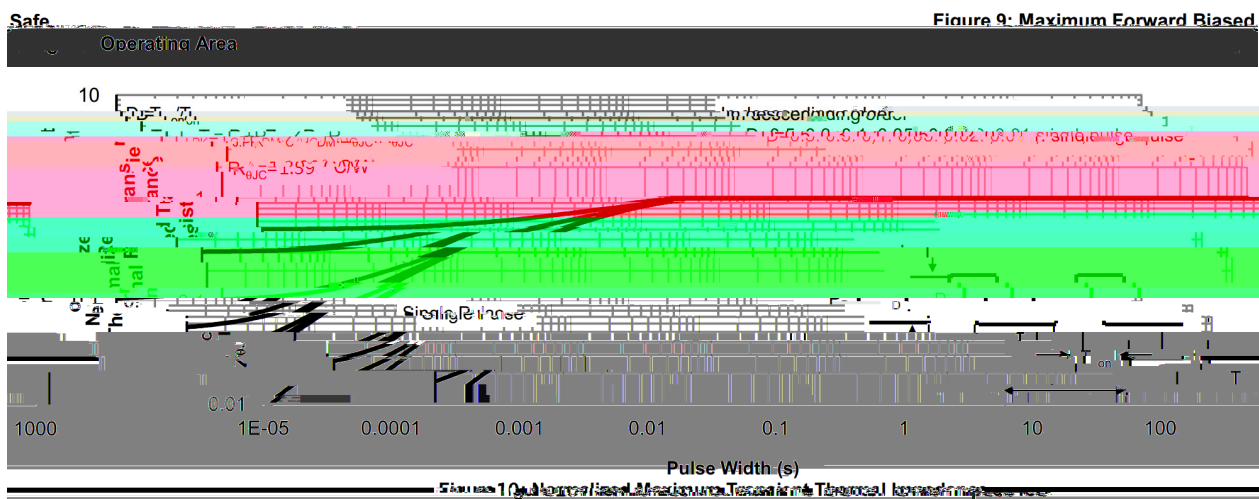
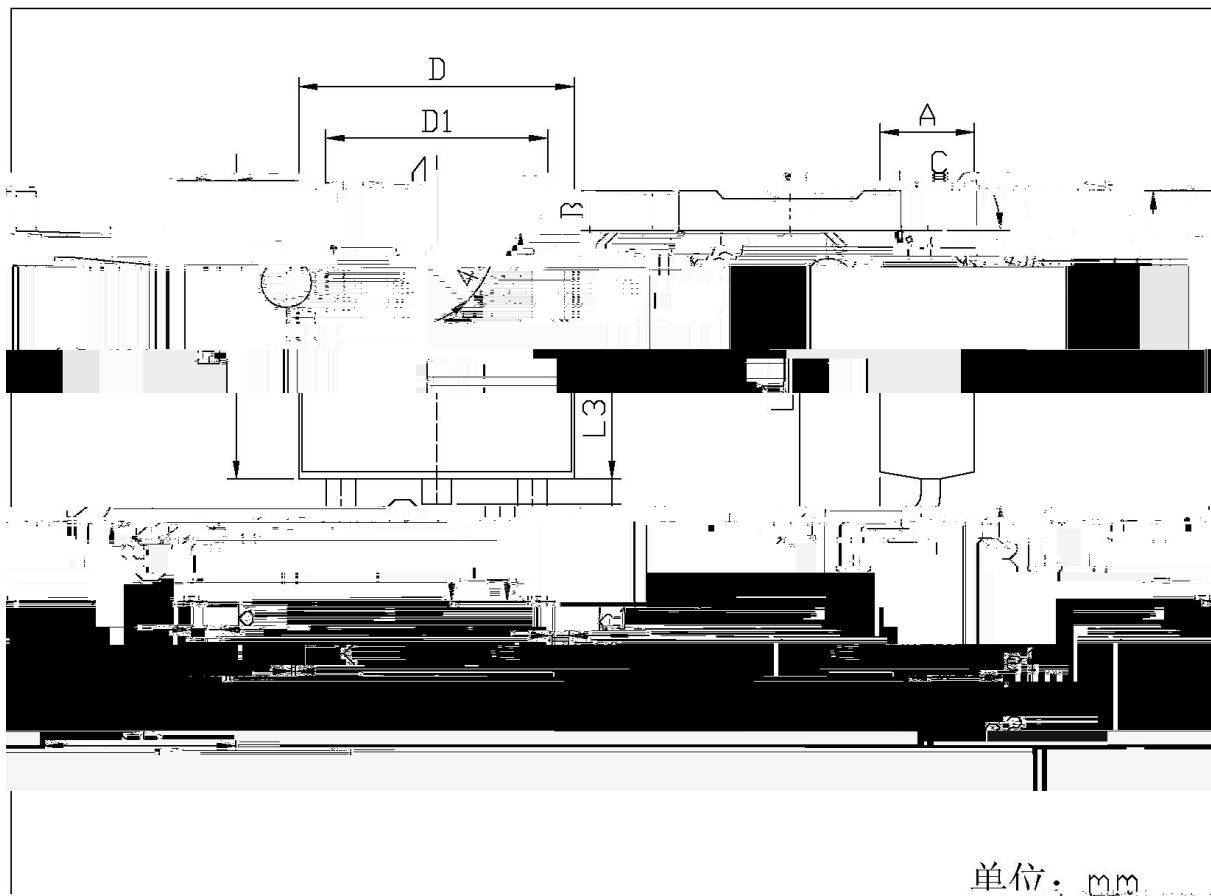


Figure 4: On-Resistance vs. Vgs Figure 5: On-Resistance vs. Id Figure 6: On-Resistance vs. Temperature

## / Electrical Characteristic Curve



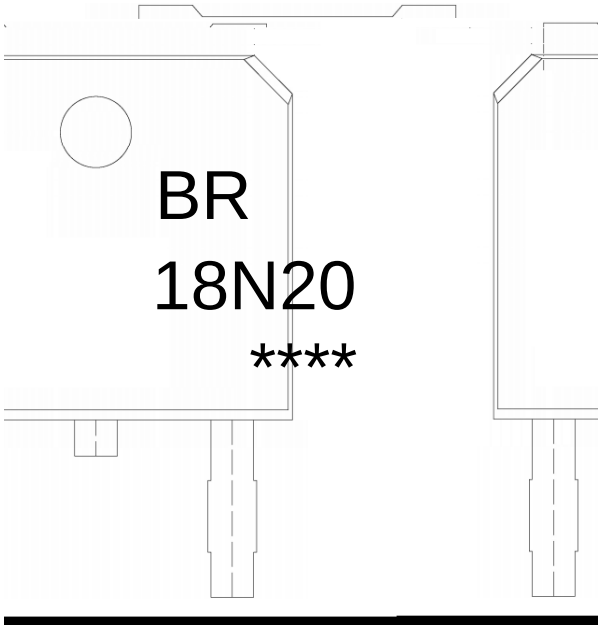
## / Package Dimensions



| In Millimeters |      | In Millimeters |      |
|----------------|------|----------------|------|
| Min            | Max  | Min            | Max  |
| 0.1            | 2.25 | 2.32           | 3.18 |
| 0.95           | 1.25 | 0.15           | 0.55 |
| 0.30           | 0.45 | 0.55           | 0.70 |
| 0.60           | 0.80 | 0.80           | 1.00 |
| 0.10           | 0.10 | 0.10           | 0.10 |

TO-252

/ Marking Instructions



|        |                                        |
|--------|----------------------------------------|
| 公司代码   | 公司代码                                   |
| EU     | 公司代码                                   |
| 4; Q53 | 公司代码                                   |
| ----   | 公司代码 公司代码 公司代码 公司代码                    |
| Note:  |                                        |
| BR:    | Company Code                           |
| 18N20: | Product Type Code                      |
| ****:  | Lot No. Code, code change with Lot No. |

**BRCS18N20DP**