"Yش / Descriptions

N ؜ TO-220 Ł ٦

N-CHANNEL MOSFET in a TO-220 Plastic Package.

◕ È / Features

V_{DS} (V) = 60V I_D =120A (V_{GS} = ± 20V)

$R_{DS(ON)}$@10V≤6mΩ(Typ. 4mΩ)

$R_{DS(ON)}$@6V≤10mΩ(Typ. 5mΩ)

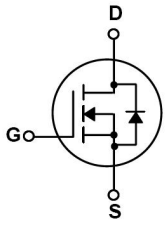
HF Product.

٧ ٍ / Applications

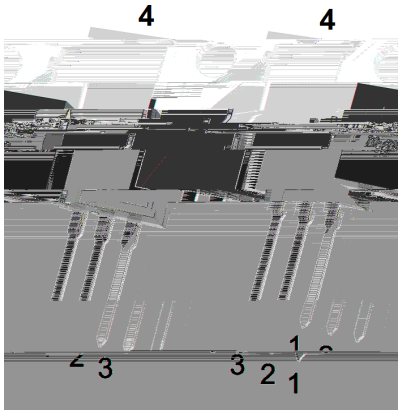
ـ DC/DC ج UPS ڭ

These devices are well suited for high efficiency switching DC/DC converters,Synchronous rectification and UPS inverter.

Л ف ً ڏ ٓ ≠ ع / Equivalent Circuit



ã ﻉ ٌ ً / Pinning



PIN1 G PIN 2 4 D PIN 3 S

ڏ ٪ z ł ٫ ʜ ɔ / h_{FE} Classifications & Marking

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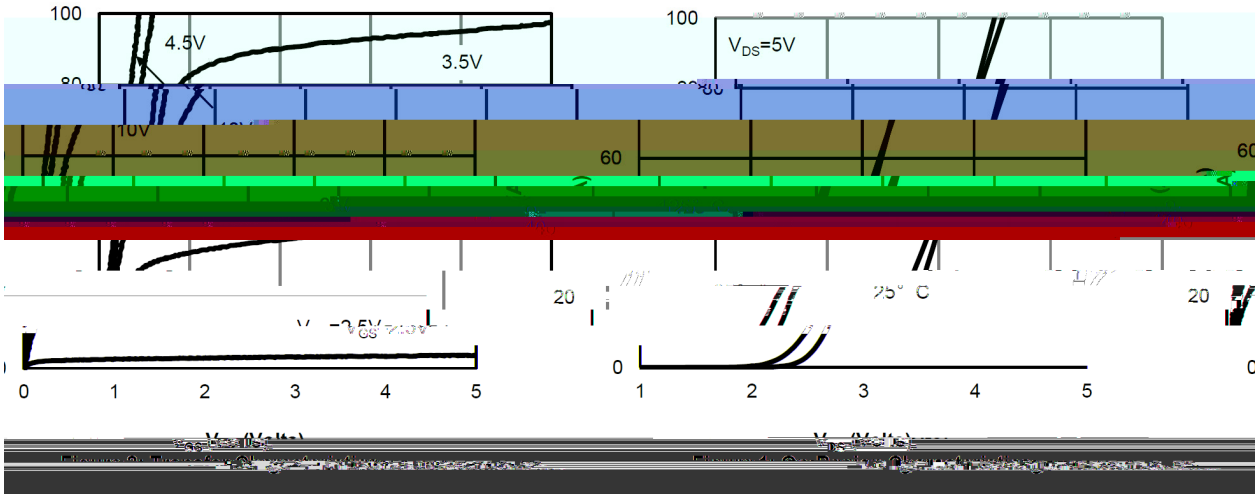
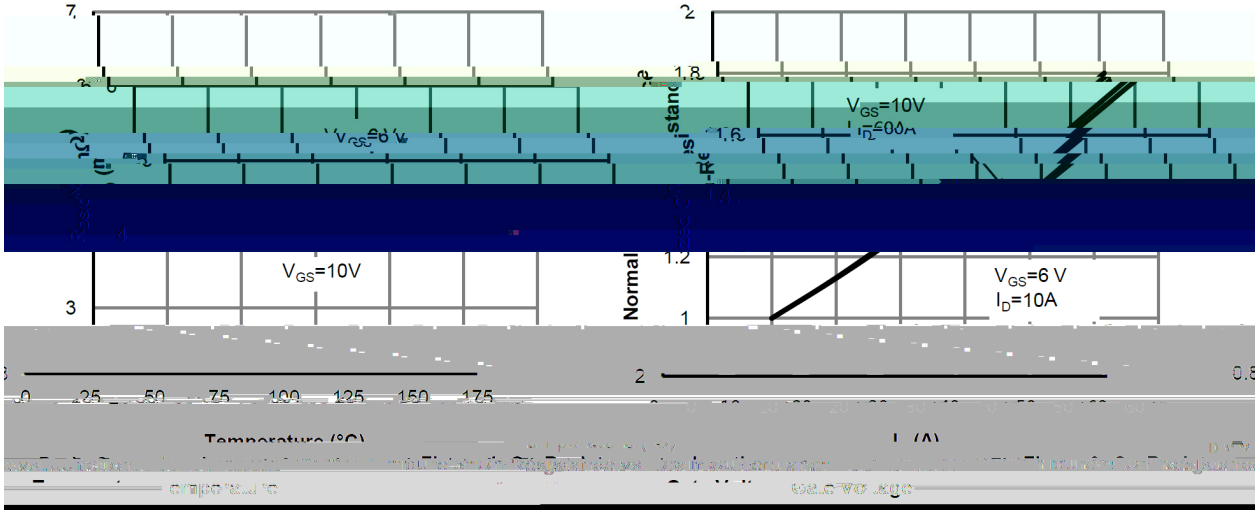
See Marking Instructions.

≠ Ǝ ÃʹE ᛋ ƒ / Electrical Characteristic Curve





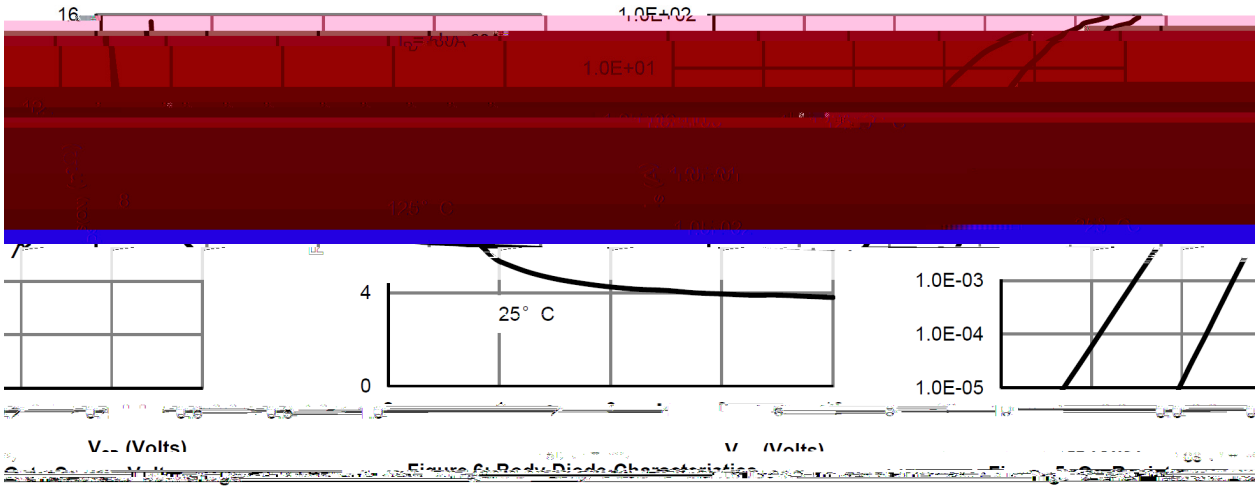
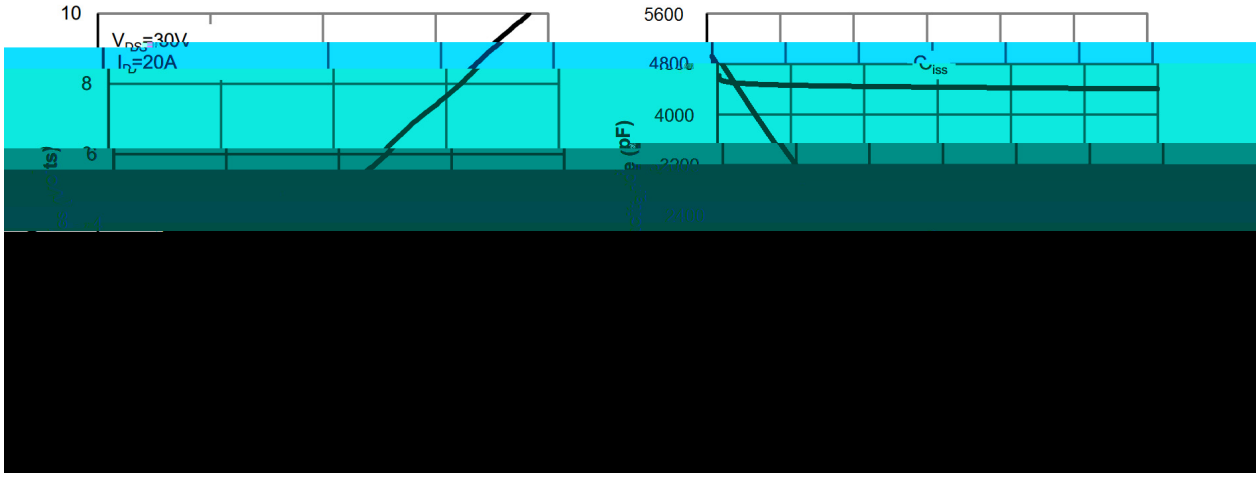
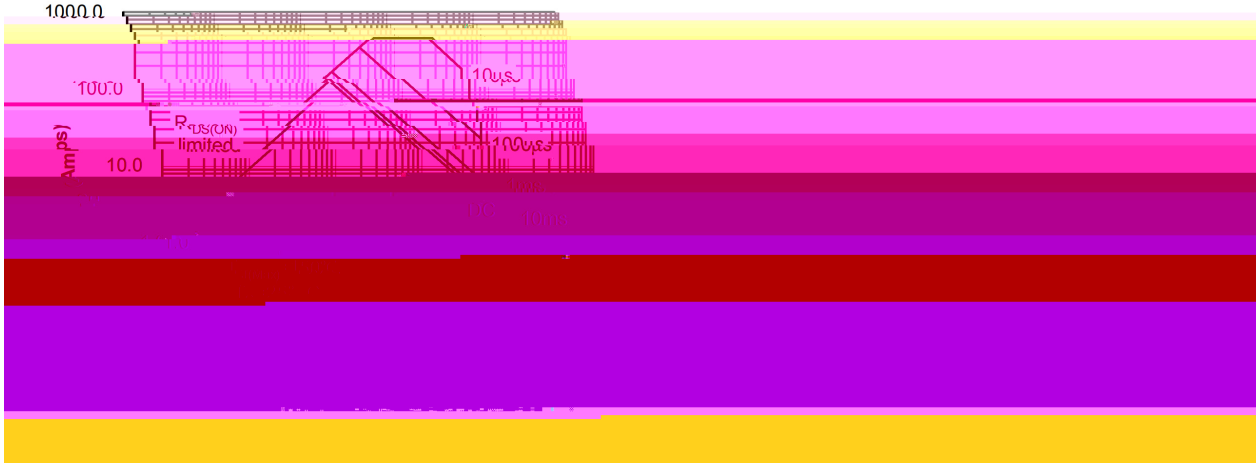


Figure 6: Body Diode Characteristics

⁄ ∃ ÃΔ´E ∀ ƒ / Electrical Characteristic Curve





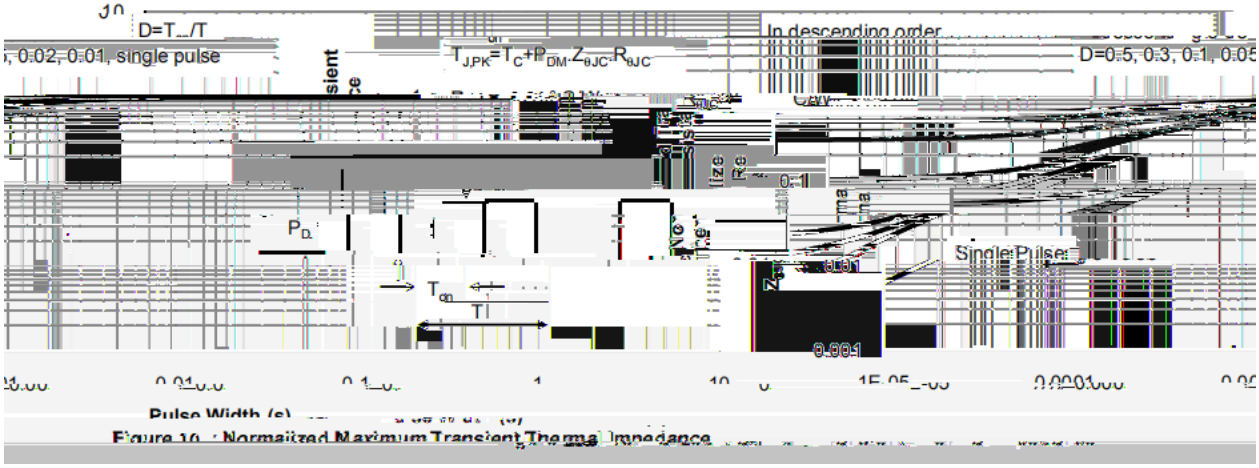


Figure 10 · Normalized Maximum Transient Thermal Impedance

ᵘ ĖÒĻ ƒ / Package Dimensions

BRCS120N06RA

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Package Type	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box

TOp̂. (unit mmubeT11 1 Tf2.9486 0 0983ec1Tc05140a47f8d31dT4 1 Tf1.0004 2 TD-.0003