

/ Descriptions

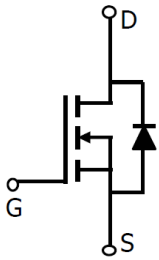
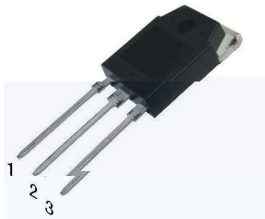
N TO-3PH

N-Channel MOSFET in a TO-3PH Plastic Package.

/ Features $R_{DS(ON)}$ Q_g Fast Intrinsic Rectifier, Low $R_{DS(ON)}$ and Q_g , Low Package Inductance**/ Applications**

GF0GF

Switch-Mode and Resonant-Mode Power Supplies, DC-DC Converters, Laser Drivers, AC and DC Motor Drives, Robotics and Servo Controls.

/ Equivalent Circuit**/ Pinning**

PIN1 Gate

PIN 2 Drain

PIN 3 Source

/ h_{FE} Classifications & Marking

See Marking Instructions.

BRCS26N50PH

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DATA SHEET

Parameter	Symbol	Rating	Unit
Drain Source Voltage	V_{DS}	500	V
Gate-Source Voltage	V_{GS}	± 30	V
Drain Continuous- Current(Note 1)	$I_D(T_c=25^\circ\text{C})$	26	A

BRCS26N50PH

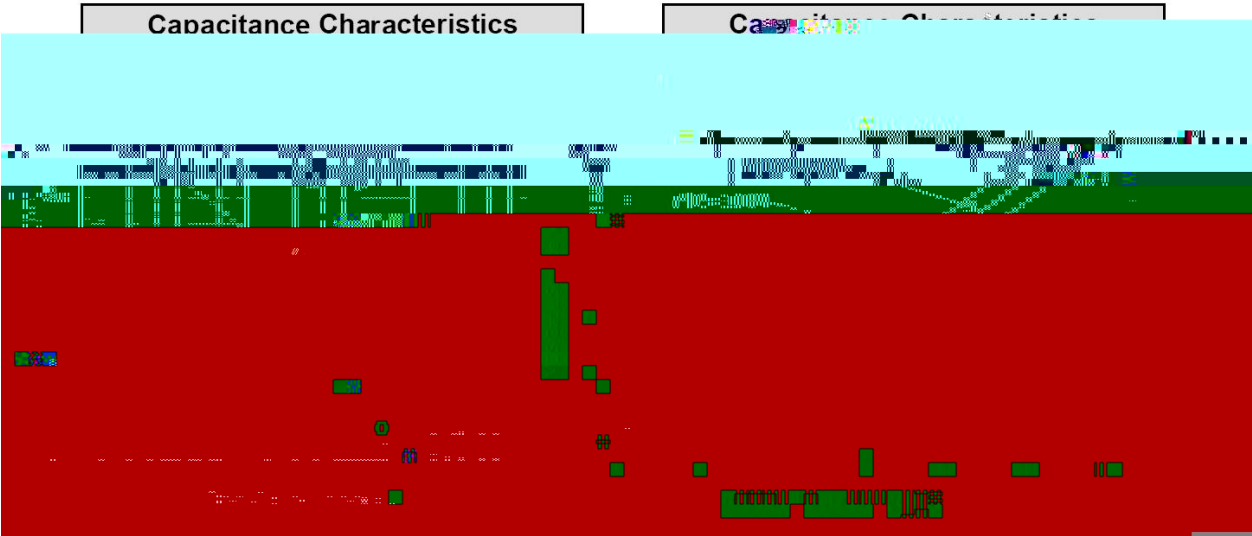
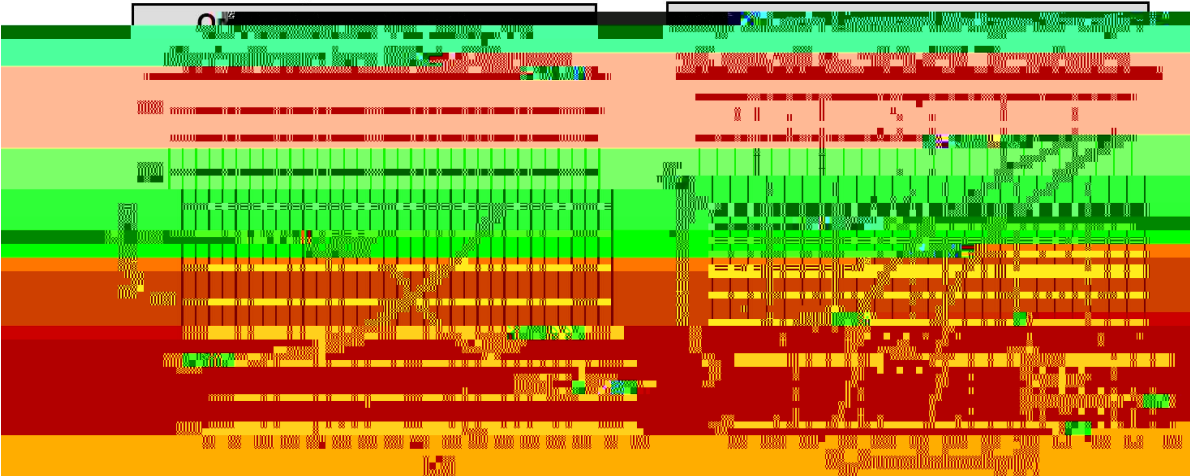
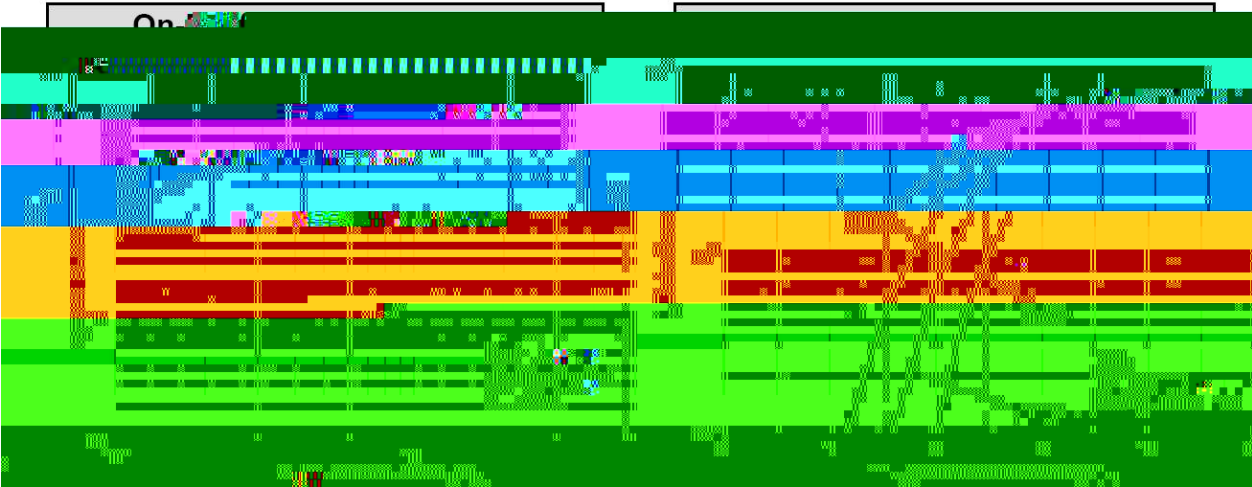
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DATA SHEET

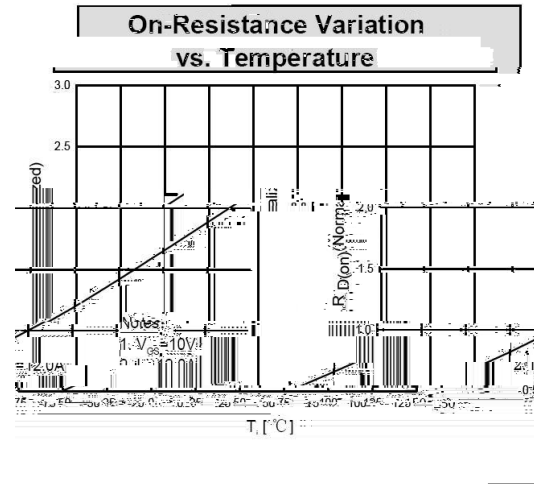
Parameter	Symbol	Test Conditions		Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	BV_{DSS}	$V_{GS}=0V$	$I_D=250\mu A$	500			V
Drain-Source Leakage Current	I_{DSS}	$V_{DS}=500V$	$V_{GS}=0V$			1	

/ Electrical Characteristic Curve

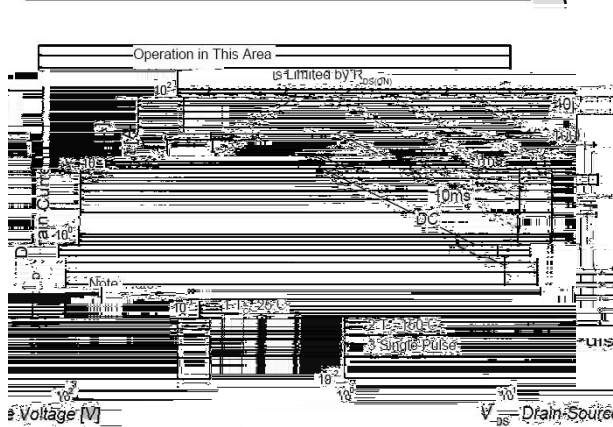


/ Electrical Characteristics(Ta=25 –)

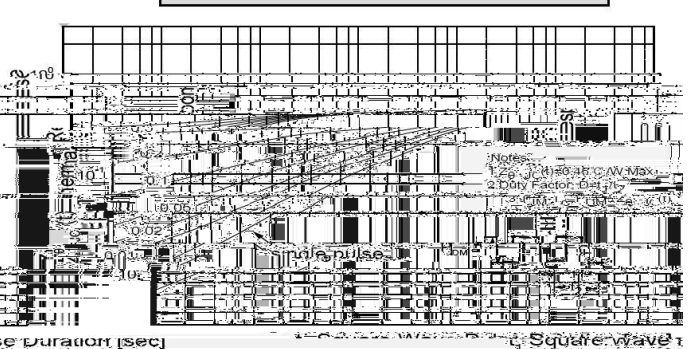
Breakdown Voltage Variation



Maximum Safe Operating Area



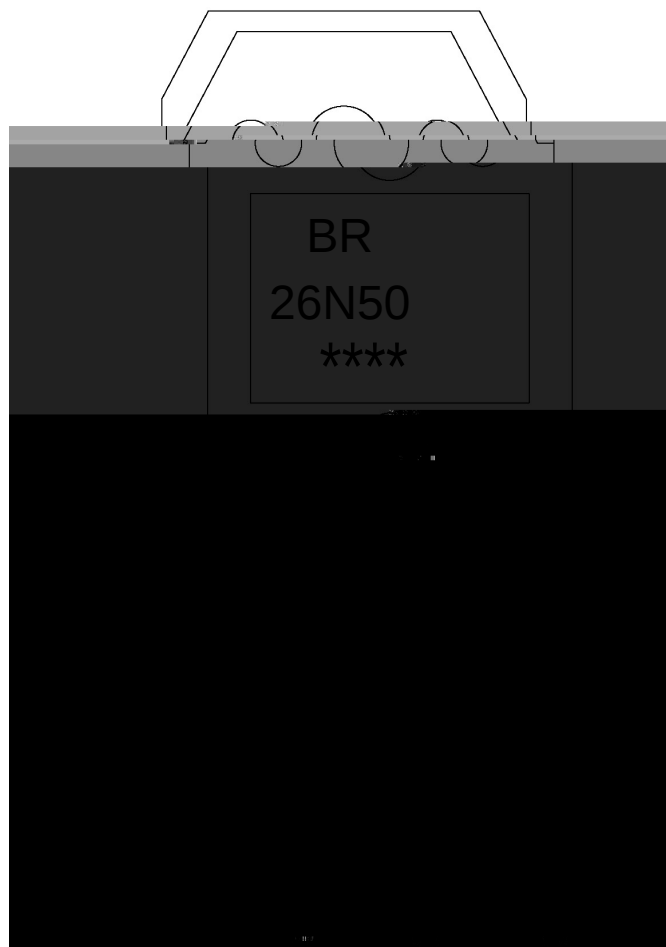
Transient Thermal Response Curve



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/ Marking Instructions



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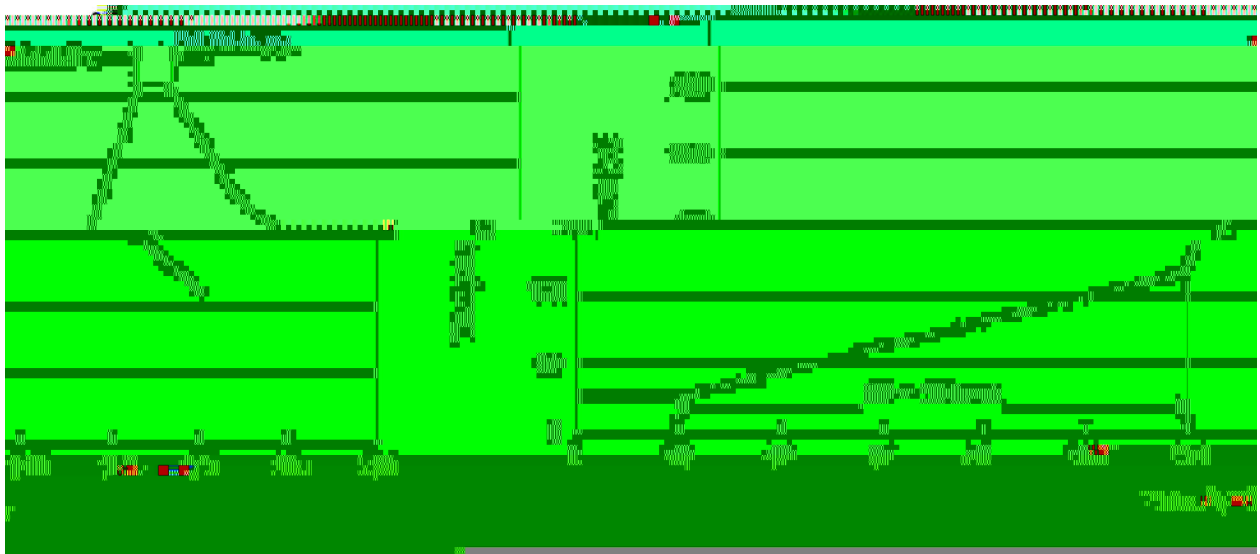
26N50

Note:

BR: Company Code.

26N50: Product Type.

****: Lot No. Code, code change with Lot No.


() / Temperature Profile for Dip Soldering(Pb-Free)


Note:

- | | | | | | |
|---|-------|-----|-----------|---|--------------------------------------|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 255±5 | | 5±0.5sec; | 2.Peak Temp.:255±5 , Duration:5±0.5sec. | |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

/ Resistance to Soldering Heat Test Conditions

270±5 10±1 sec. Temp:270±5 Time:10±1 sec

/ Packaging SPEC.
/ TUBE

Package Type	Units					Dimension (unit mm ³)		
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-3PH	30	15	450	5	2250	497.5×46×8	555×164×50	575 290 180

/ Notices