

N TO-3PH

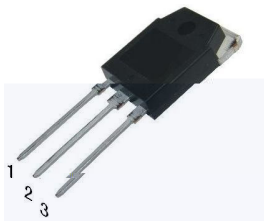
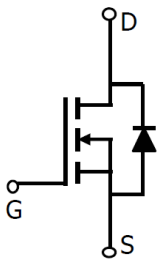
N-Channel MOSFET in a TO-3PH Plastic Package.

$R_{DS(ON)}$ Q_g

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

DC-DC

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



PIN1 Gate PIN 2 Drain PIN 3 Source

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Drain Source Voltage	V_{DSS}	500	V
Gate-Source Voltage	V_{GSS}	± 30	V
Drain Continuous- Current(Note 1)	$I_D(T_c=25^\circ\text{C})$	26	A
Drain Current Pulsed(Note 2)	I_{DM}	104	A
Avalanche Current(Note 2)	I_{AS}	19	A
Single Pulse Avalanche Energy $L=0.5\text{mH}$	E_{AS}	1600	mJ
Peak Diode Recovery dv/dt	dv/dt	15	V/ns
Power Dissipation	$P_D(T_c=25^\circ\text{C})$ Derate above 25°C	290	W
		2.33	W/ $^\circ\text{C}$
Junction Temperature	T_J	+150	$^\circ\text{C}$
Storage Temperature	T_{STG}	-55~+150	

1.

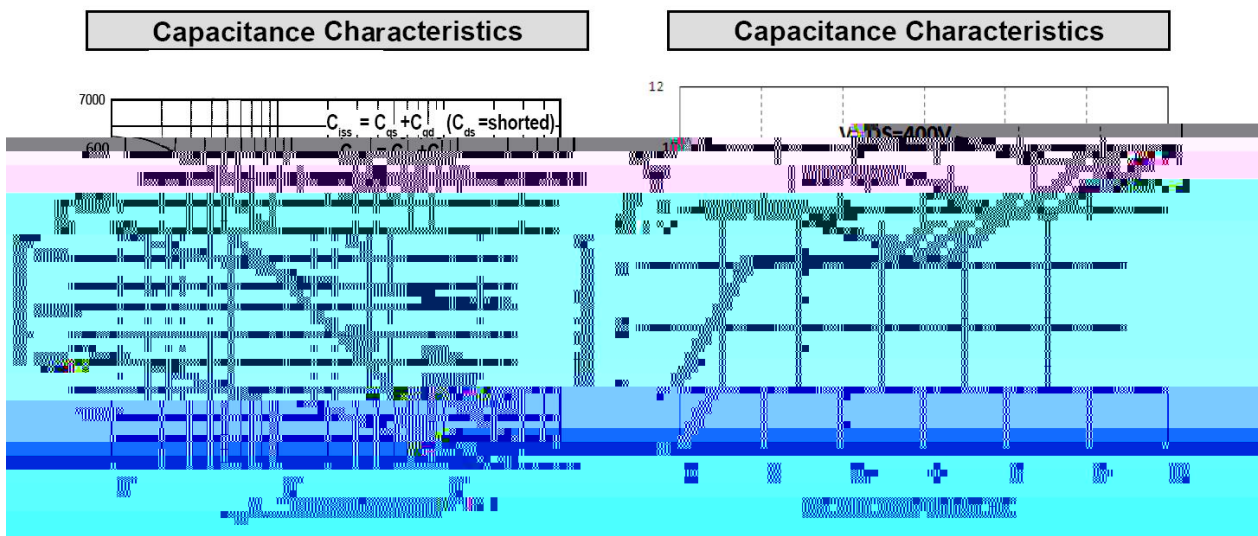
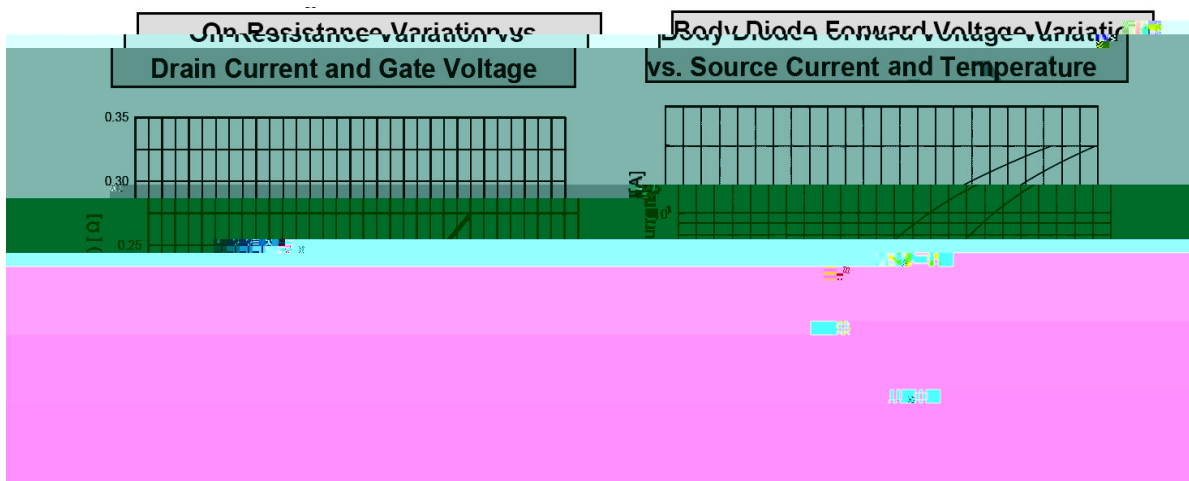
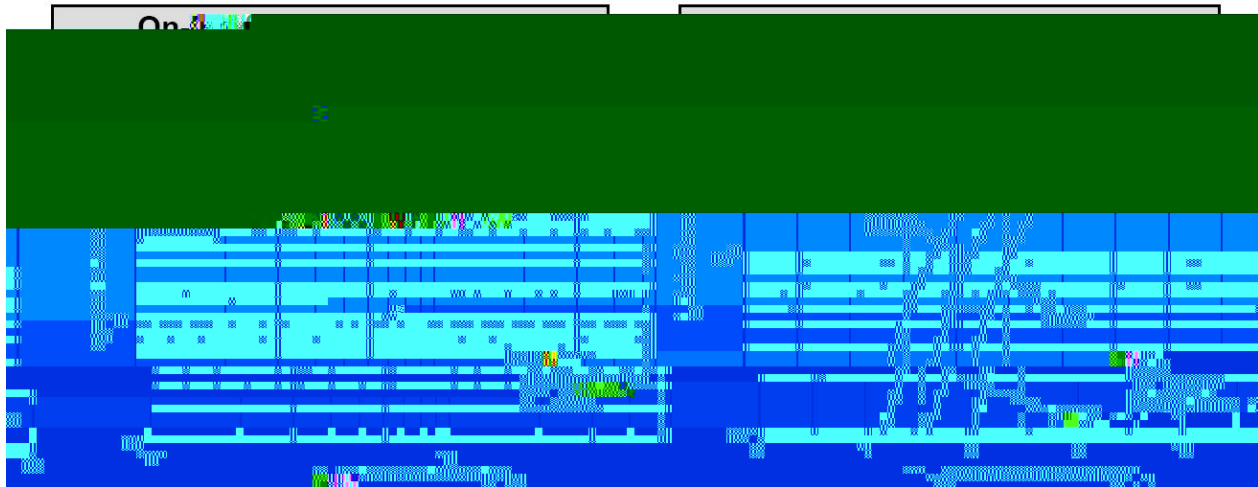
2.

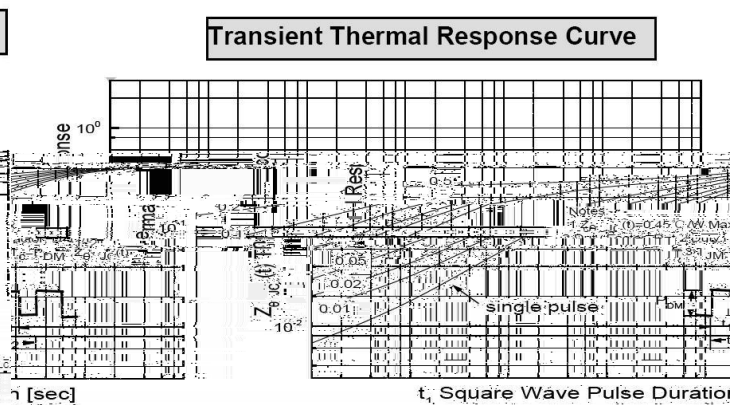
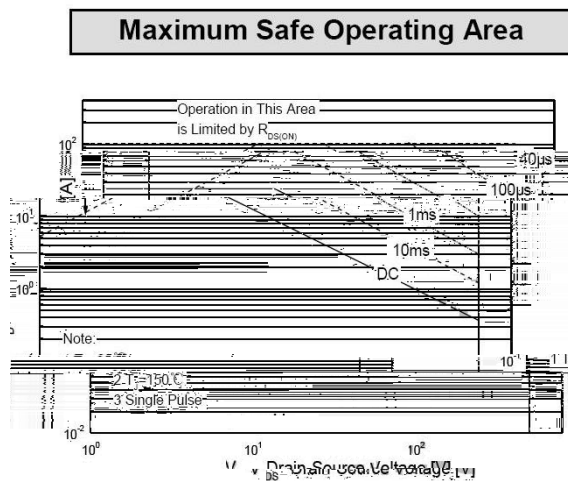
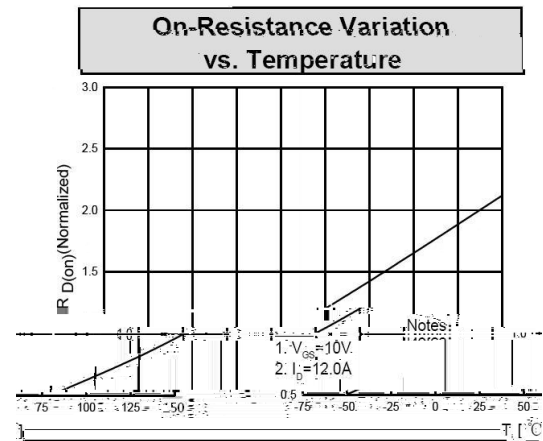
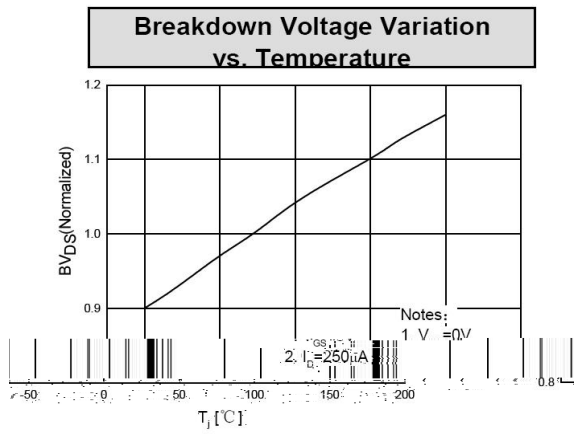
Note:

1. Drain current limited by maximum junction temperature.
2. Repetitive Rating: Pulse width limited by maximum junction temperature.

Parameter	Symbol	Rating	Unit
Junction to Ambient	$R_{\theta JA}$	40	$^\circ\text{C/W}$
Junction to Case	$R_{\theta JC}$	0.45	$^\circ\text{C/W}$

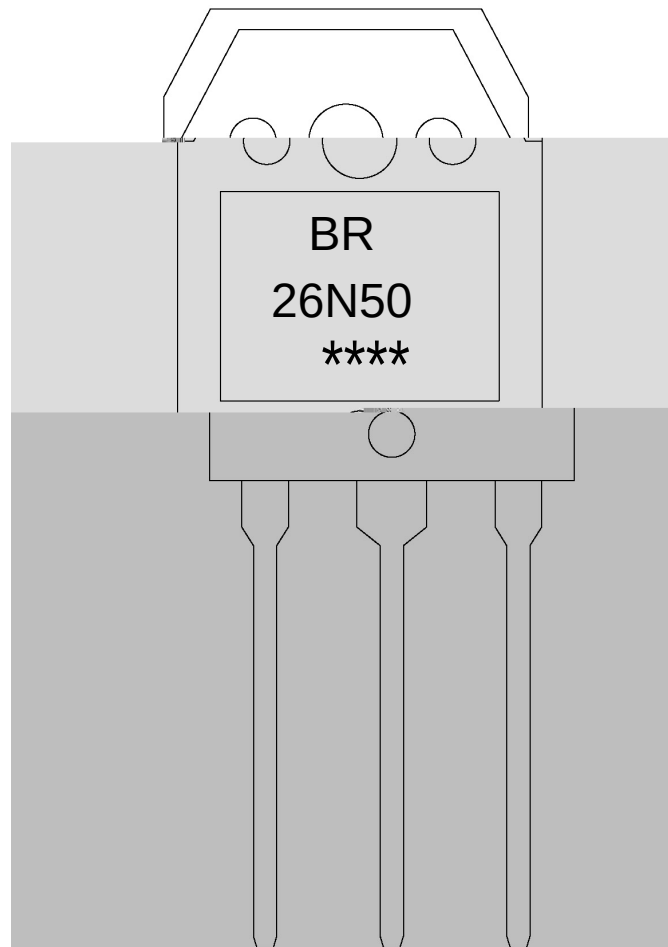
Parameter	Symbol	Test Conditions		Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	BV_{DSS}	$V_{GS}=0V$	$I_D=250\mu A$	500			V
Drain-Source Leakage Current	I_{DSS}	$V_{DS}=500V$	$V_{GS}=0V$			1	





Rev.A Jul.-2019





BR:

26N50

Note:

BR: Company Code.

26N50: Product Type.

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



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

- 1 25 150 60 90sec;
- 2 255±5 5±0.5sec;
- 3 2 10 /sec.

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

/ 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