



# 3TA201GKxxNB

## Three Phase Thyristor Module (Half Bridge)

Symbol	Test Conditions	min.	typ.	max.	Unit
<b>I<sub>DRM</sub></b> <b>I<sub>RDM</sub></b>	at V <sub>DRM</sub> , single phase, half wave, T <sub>j</sub> =125°C			60 60	mA
<b>V<sub>TM</sub></b>	On-State Current 630A, T <sub>j</sub> =25°C Inst. measurement			1.25	V
<b>I<sub>GT</sub></b>	T <sub>j</sub> =25°C, I <sub>T</sub> =1A, V <sub>D</sub> =6V			150	mA
<b>V<sub>GD</sub></b>	T <sub>j</sub> =125°C, V <sub>D</sub> =1/2V <sub>DRM</sub>	0.25			V
<b>t<sub>gt</sub></b>	I <sub>T</sub> =100A, I <sub>G</sub> =200mA, T <sub>j</sub> =25°C, V <sub>D</sub> =1/2V <sub>DRM</sub> , di <sub>G</sub> /dt=1A/us			10	us
<b>dv/dt</b>	T <sub>j</sub> =125°C, V <sub>D</sub> =2/3V <sub>DRM</sub> , Exponential wave	150			V/us
<b>I<sub>H</sub></b>	T <sub>j</sub> =25°C		100		mA
<b>R<sub>thJC</sub></b>	Junction to case (1/3 Module)			0.12	°C/W

### FEATURES

- \* International standard package
- \* Copper base plate
- \* Glass passivated chips
- \* RoHS compliance

### APPLICATIONS

- \* Welding Machine Power Supply
- \* DC Power Supply

### ADVANTAGES

- \* Space and weight savings
- \* Simple mounting with two screws
- \* Improved temperature and power cycling
- \* Reduced protection circuits

# 3TA201GKxxNB

## Three Phase Thyristor Module (Half Bridge)

