

**isc Triacs**
**BTA204W-600D**
**FEATURES**

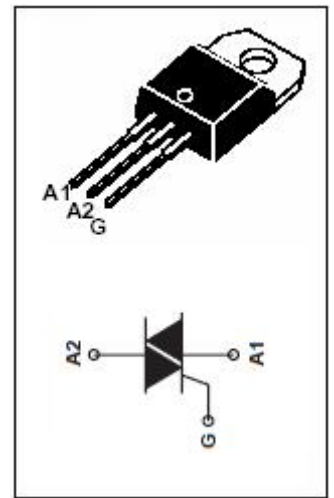
- With TO-220AB insulated package
- Suitable for general purpose applications where gate high sensitivity is required. Application on 4Q such as phase control and static switching.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

**ABSOLUTE MAXIMUM RATINGS(Ta=25°C)**

SYMBOL	PARAMETER	MIN	UNIT
$I_{T(RMS)}$	RMS on-state current (full sine wave) $T_j=80^\circ\text{C}$	4	A
$I_{TSM}$	Non-repetitive peak on-state current $t_p=20\text{ms}$	40	A
$T_j$	Operating junction temperature	125	$^\circ\text{C}$
$T_{stg}$	Storage temperature	-40~150	$^\circ\text{C}$
$R_{th(j-c)}$	Thermal resistance, junction to case	2.05	$^\circ\text{C/W}$

SYMBOL	PARAMETER	MIN	UNIT
$V_{DRM}$	Repetitive peak off-state voltage	600	V
$V_{RRM}$	Repetitive peak reverse voltage	600	V


**ELECTRICAL CHARACTERISTICS (Tc=25°C unless otherwise specified)**

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
$I_{RRM}$	Repetitive peak reverse current	$V_R=V_{RRM}, T_j=25^\circ\text{C}$ $V_R=V_{RRM}, T_j=125^\circ\text{C}$	5 500	$\mu\text{A}$
$I_{DRM}$	Repetitive peak off-state current	$V_D=V_{DRM}, T_j=25^\circ\text{C}$ $V_D=V_{DRM}, T_j=125^\circ\text{C}$	5 500	$\mu\text{A}$
$I_{GT}$	Gate trigger current	I	5 5 5	mA
		II		
		III		
$I_H$	Holding current	$I_T=0.5\text{A}$	60	mA
$V_{GT}$	Gate trigger voltage all quadrant	$V_D=12\text{V}$ $R_L=100\Omega$	1.5	V
$V_{TM}$	On-state voltage	$I_T=6\text{A}$ $T_j=25^\circ\text{C}$	1.4	V

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