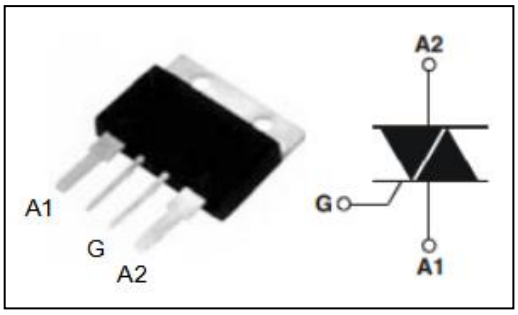
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isc Triacs BTA80-800B

FEATURES



· NPNPN five-layer silicon bidirectional device

· With TO-P4 packaging

· Advanced technology to provide customers with high commutation performances

APPLICATIONS

· General purpose motor control circuits

· Home appliances

· Phase control operations in light dimmers and motor speed controllers

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

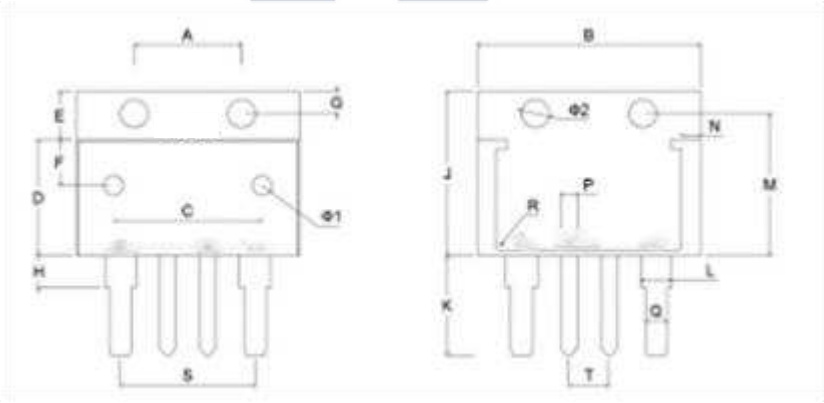
SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	800	V
V_{RRM}	Repetitive peak reverse voltage	800	V
$I_{T(RSM)}$	Average on-state current	80	A
I_{TSM}	Surge non-repetitive on-state current	800	A
T_j	Operating junction temperature	-40~125	℃
T_{stg}	Storage temperature	-40~150	℃

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ELECTRICAL CHARACTERISTICS (T_C=25℃ unless otherwise specified)

SYMBOL	PARAMETER		CONDITIONS	MAX	UNIT
I_{RRM}	Repetitive peak reverse current		$V_R=V_{RRM}$	1.5	mA
I_{DRM}	Repetitive peak off-state current		$V_D=V_{DRM}$	1.5	mA
I_{GT}	Gate trigger current	I	V_D=12V, R_L = 10 Ω	50	mA
		II		50	
		III		50	
		IV		80	
I_H	Holding current		I_{GT}= 500mA	80	mA
V_{GT}	Gate trigger voltage all quadrant		V_D=12V, R_L = 10 Ω	1.3	V
V_{TM}	On-state voltage		I_T= 120A, t_p= 380us	1.5	V

PACKAGE OUTLINE
Dimensions in mm



Dimension	Millimeter	
	Min	Max
A	15.43	16.76
B	32.00	32.30
C	21.30	21.90
D	16.65	17.98
E	6.83	8.06
F	6.60	7.00
G	3.15	3.45
H	4.57	5.44
J	24.06	25.38
K	14.16	15.36
L	4.47	5.23
M	20.76	22.10
N	2.68	3.43
P	2.35	2.77
Q	2.89	3.35
R	1.45	1.55
S	19.95	20.05
T	5.95	6.05
F 1	2.78	4.01
F 2	3.95	5.19

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