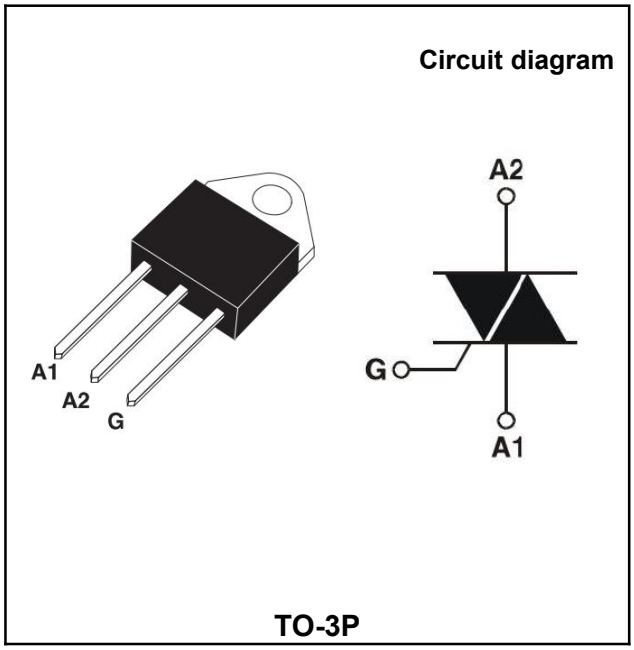
25A 3Quadrants TRIACs

Product Summary

Symbol	Value	Unit
$I_{T(AV)}$	25	A
V_{DRM} V_{RRM}	800	V
V_{TM}	1.55	V



Features

With high ability to withstand the shock loading of large current,With high commutation performances, 3 quadrants products especially recommended for use on inductive load.

Application

Washing machine, vacuums, massager, solid state relay, AC Motor speed regulation and so on.

Order Information

Part Number	Package	Marking	Packing	Packing Quantity
BTA26-800BW	TO-3P	BTA26-800BW XXXX	box	600PCS/box

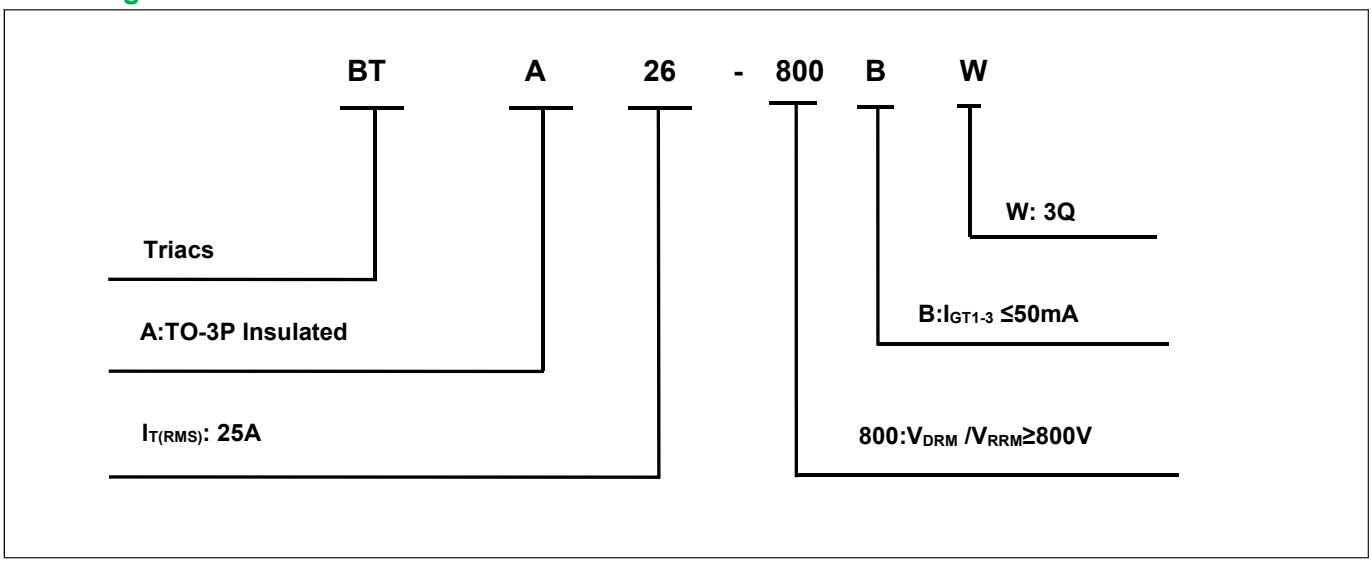
Absolute maximum ratings (Ta=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Repetitive peak off-state voltage	V_{DRM}	800	V
Repetitive peak reverse voltage	V_{RRM}	800	V
RMS on-state current	$I_{T(RMS)}$	25	A
Non repetitive surge peak on-state current (full cycle, F=50Hz)	I_{TSM}	250	A
I^2t value for fusing (tp=10ms)	I^2t	340	A^2s
Critical rate of rise of on-state current (I_G =2 x I_{GT})	dI/dt	50	A/μs
Peak gate current	I_{GM}	4	A
Average gate power dissipation	$P_{G(AV)}$	1	W
Junction Temperature	T_J	-40~+125	°C
Storage Temperature	T_{STG}	-40 ~+150	°C

Electrical characteristics (T_A=25°C, unless otherwise noted)

Parameter	Symbol	Test Condition		Value		Unit
Gate trigger current	I_{GT}	V_D=12V R_L=33Ω	I-II-III	MAX.	50	mA
Gate trigger voltage	V_{GT}		I-II-III	MAX.	1.3	V
Gate non-trigger voltage	V_{GD}	V_D=V_{DRM} T_j=125°C R_L =3.3KΩ	I-II-III	MIN.	0.2	V
latching current	I_L	I_G=1.2I_{GT}	I-II-III	MAX.	100	mA
Holding current	I_H	I_T =100mA		MAX.	50	mA
Critical-rate of rise of commutation voltage	dV_D/dt	VD=2/3V_{DRM} Gate Open Tj=125°C		MIN.	1000	V/μs
STATIC CHARACTERISTICS						
Forward "on" voltage	V_{TM}	ITM =35A tp=380μs		MAX.	1.55	V
Repetitive Peak Off-State Current	I_{DRM}	V_D=V_{DRM} V_R=V_{RRM}	T_j=25°C	MAX.	10	μA
Repetitive Peak Reverse Current	I_{RRM}		T_j=125°C	MAX.	3	mA
THERMAL RESISTANCES						
Thermal resistance	Rth(j-c)	Junction to case(AC)		TYP.	0.9	°C/W
	Rth(j-a)	Junction to ambient		TYP.	50	°C/W

Ordering Information



Typical Characteristics

FIG1 Maximum power dissipation versus RMS on-state current

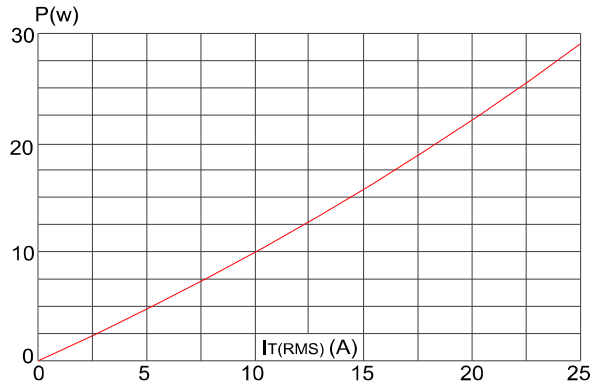


FIG2 RMS on-state current versus case temperature

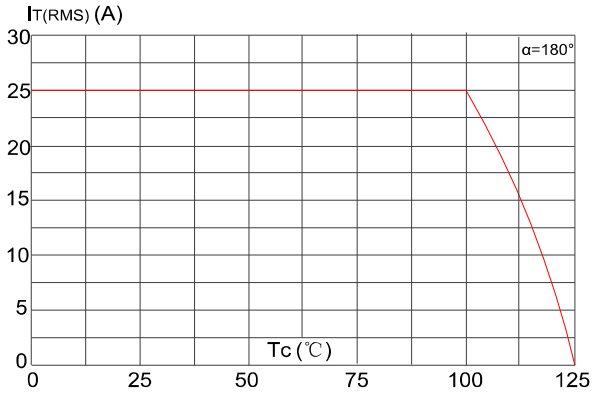


FIG3 Surge peak on-state current versus number of cycles

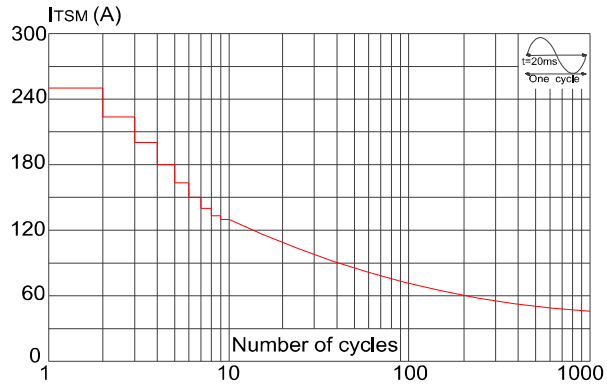


FIG4 On-state characteristics (maximum values)

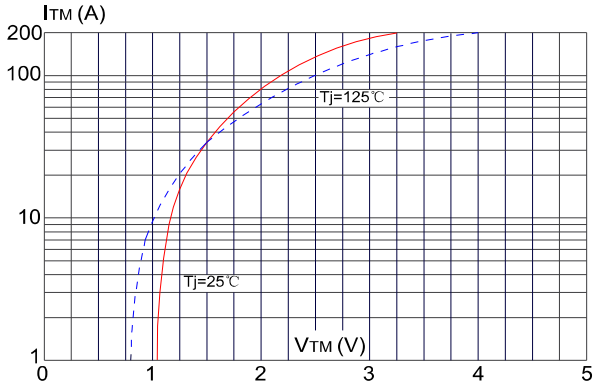


FIG5 Non-repetitive surge peak on-state current for a sinusoidal pulse with width tp<20ms, and corresponging value of I^2t (dI/dt < 100A/μs)

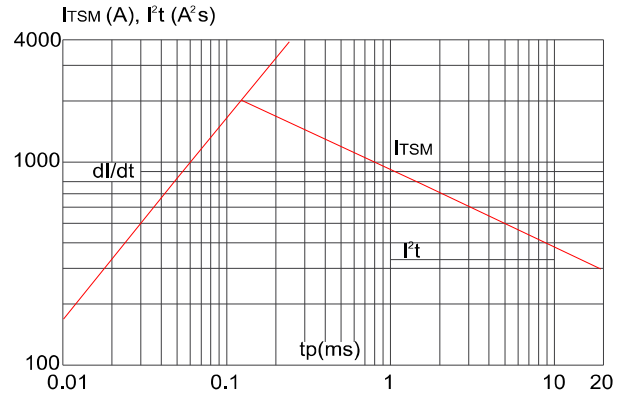
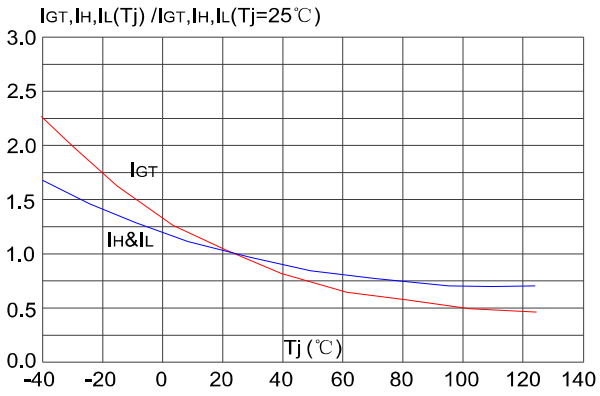
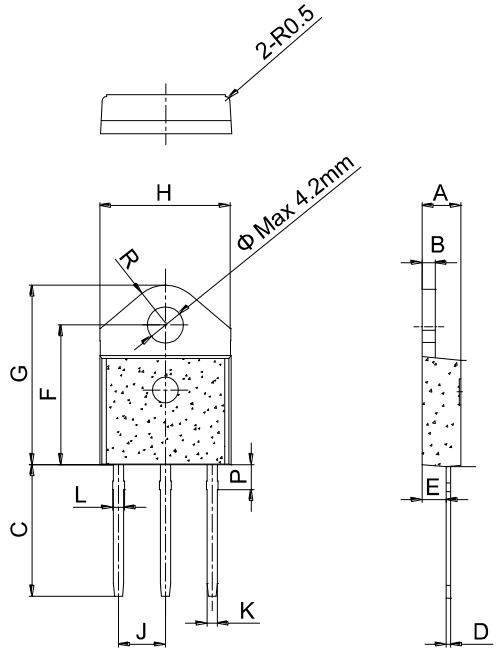


FIG6 Relative variations of gate trigger current, holding current and latching current versus junction temperature



Package Information

TO-3P



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	4.40		4.60	0.173		0.181
B	1.45		1.55	0.057		0.061
C	14.35		15.60	0.565		0.614
D	0.50		0.70	0.020		0.028
E	2.70		2.90	0.106		0.114
F	15.80		16.50	0.622		0.650
G	20.40		21.10	0.803		0.831
H	15.10		15.50	0.594		0.610
J	5.40		5.65	0.213		0.222
K	1.10		1.40	0.043		0.055
L	1.35		1.50	0.053		0.059
P	2.80		3.00	0.110		0.118
R		4.35			0.171	

单击下面可查看定价，库存，交付和生命周期等信息

>>YFW(佑风微)