

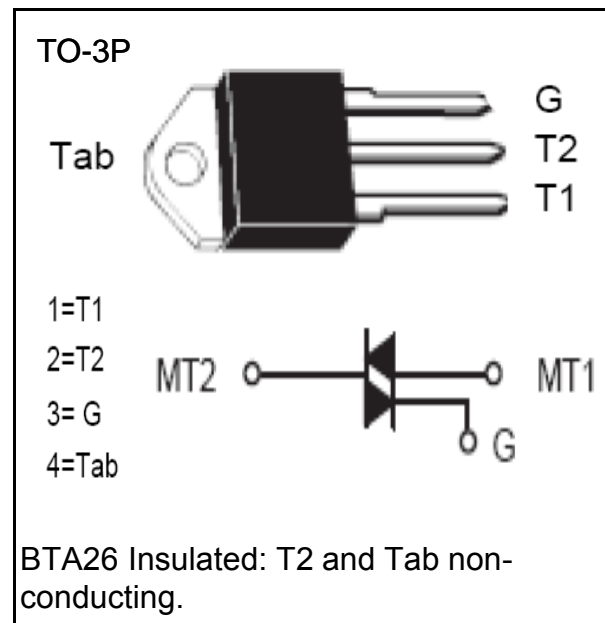
3 Quadrants / 4 Quadrants TRIAC

Features

- IT(RMS): 25A
- VGT: 1.5V
- VDRM VRRM:800Vand1000V

Applications

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



Absolute Maximum Ratings(Tc=25°C unless otherwise specified)

Symbol	parameter	Conditions	Ratings	Unit
VDRM VRRM	Repetitive Peak Off-State Voltage	BTA26-800	800	V
		BTA26-1000	1000	V
IT(RMS)	R.M.S On-State Current	Tc=110°C	25	A
ITSM	Surge On-State Current	f=50/60Hz tp=16.7ms/20ms	250/260	A
I ² t	I ² t for fusing	Tp=10ms	340	A ² s
PG(AV)	Average Gate Power Dissipation	Tj=125°C	1	W
IGM	Peak Gate Current	Tj=125°C	6	A
Tj	Operating Junction Temperature		-40~125	°C
TSTG	Storage Temperature		-40~150	°C

Electrical Characteristics($T_c=25^{\circ}\text{C}$ unless otherwise specified)

symbol	parameter		Test Conditions	Value			Unit
				CW	BW	B	
IDRM	Repetitive Peak Off-State Current		$T_c=25^{\circ}\text{C}$	5			μA
			$T_c=125^{\circ}\text{C}$	3			mA
IRRM	Repetitive Peak Reverse Current		$T_c=25^{\circ}\text{C}$	5			μA
			$T_c=125^{\circ}\text{C}$	3			mA
VTM	Forward "on" voltage		$I_T=35\text{A}$, $t_p=380\mu\text{s}$	1.55			V
VGT	Gate trigger voltage		$V_D=12\text{V}$, $R_L=30\Omega$	≤ 1.5			V
di/dt	Critical rate of rise of on-state current	I,II,III	$F=120\text{Hz}$, $T_J=125^{\circ}\text{C}$, $I_G=2 \times I_{GT}$, $t_r \leq 100\text{ns}$	≥ 50			$\text{A}/\mu\text{s}$
		IV		≥ 10			$\text{A}/\mu\text{s}$
IGT	Gate trigger current	I,II,III	$V_D=12\text{V}$, $R_L=30\Omega$	≤ 35	≤ 50	≤ 50	mA
		IV		/	/	≤ 100	mA
IH	Holding current		$I_T=0.2\text{A}$	≤ 60	≤ 80	≤ 80	mA
V _{DG}	Gate non-trigger voltage	ALL	$V_D=V_{DRM}$, $T_J=125^{\circ}\text{C}$	≥ 0.2			V
dv/dt	Critical-rate of rise of commutation voltage		$T_J=125^{\circ}\text{C}$, $V_D=2/3V_{DRM}$, Gate open circuit	≥ 400	≥ 1000	≥ 500	$\text{V}/\mu\text{s}$
R _{th(j-c)}	Thermal resistance		Junction to case	1.1			$^{\circ}\text{C}/\text{W}$
R _{th(j-a)}	Thermal resistance		Junction to ambient	50			$^{\circ}\text{C}/\text{W}$

characteristic curve

FIG.1: Gate characteristics

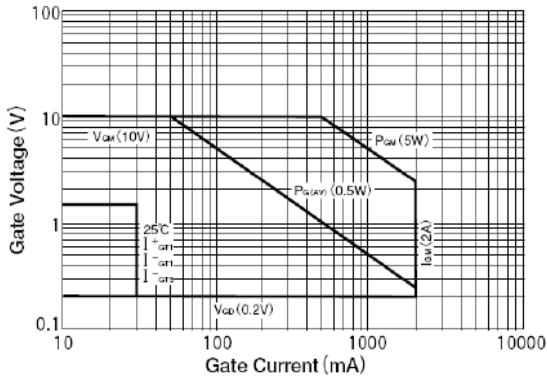


FIG.2: On-state characteristics(max)

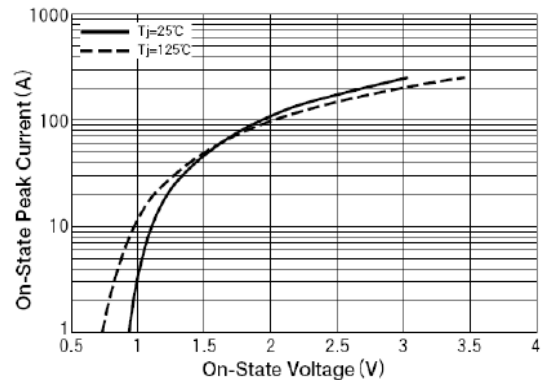


FIG.3: Gate trigger voltage vs junction temperature

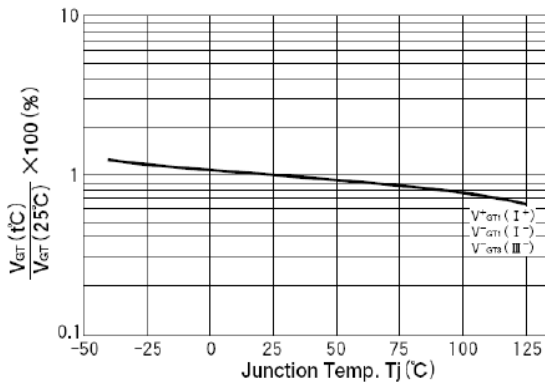


FIG.4: on-state current vs max power Dissipation

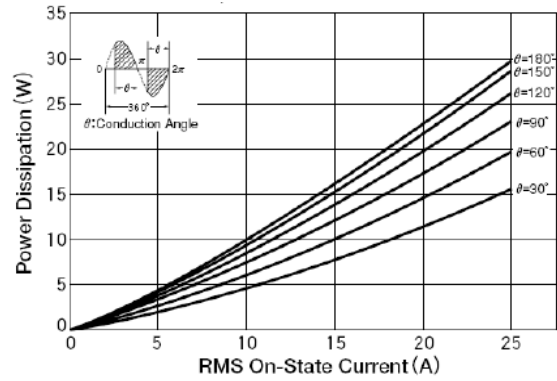


FIG.5: RMS On-state vs Allowable Case Temperature

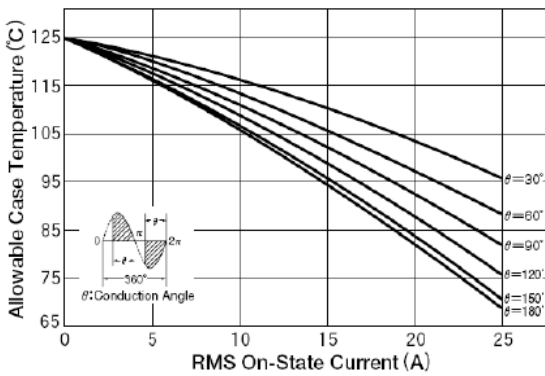
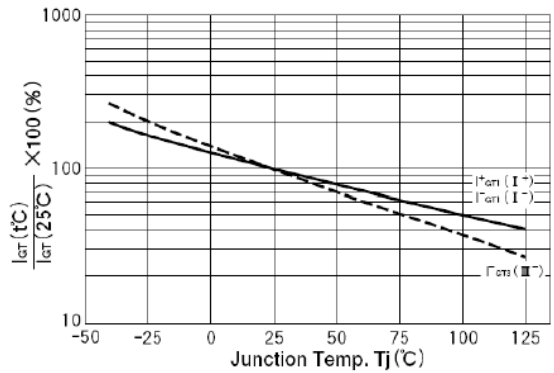
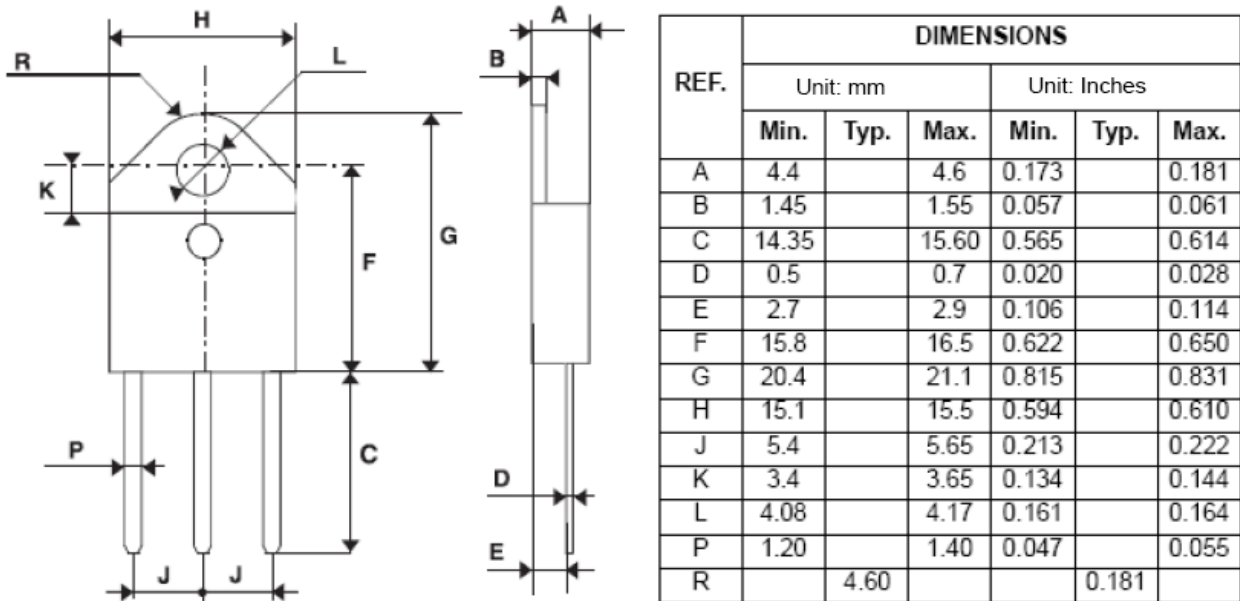


FIG.6: Gate trigger current vs junction temperature



PACKAGE MECHANICAL DATA

TO-3P Package Dimension



单击下面可查看定价，库存，交付和生命周期等信息

[>>Slkor\(萨科微\)](#)