



JST08F-1200BW 8A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST08F-1200BW triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, etc.

Average gate power dissipation ($T_j=125$)	$P_{G(AV)}$	0.5	W
Peak gate power	P_{GM}	10	W
Peak pulse voltage ($T_j=25$; non-repetitive,off-state;FIG.7)	V_{pp}	2.5	kV

ELECTRICAL CHARACTERISTICS ($T_j=25$ unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	$V_D=12V R_L=33$	- -	MAX.	50	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	$V_D=V_{DRM} T_j=125$ $R_L=3.3k$	- -	MIN.	0.2	V
I_L	$I_G=1.2I_{GT}$	-	MAX.	50	mA
				90	
I_H	$I_T=100mA$		MAX.	50	mA
dV/dt	$V_D=800V$ Gate Open $T_j=125$		MIN.	500	V/ μs
(dI/dt)c	(dV/dt)c=20V/ μs , $T_j=125$		MIN.	12	A/ms
t_{on}	$I_G=80mA I_A=400mA I_R=40mA$ $T_j=25$		TYP.	5	μs
t_{off}				50	

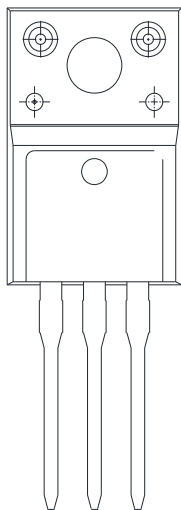
STATIC CHARACTERISTICS

Symbol	Parameter	Value(MAX.)
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ORDERING INFORMATION

J	ST	08	F	-1200	BW
JieJie Microelectronics Co., Ltd.	Triacs	$I_{T(RMS)}:8A$	F:TO-220F(Ins)		BW:IGT1-3 0.50mA
				1200:V _{DRM} /V _{RRM} 1 1200V	

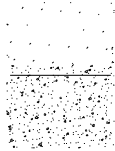
MARKING



ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_T
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PACKAGE MECHANICAL DATA



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