E +86-513-68528666

(Tj=25 ;	Vp	2.5	kV

ELECTRICAL CHARACTERISTICS (Tj=25)

Symbol	Test Condition	Quadrant	Value		Unit
IGT	VD=12V RL=33	- -	MAX.	50	mA
VGT		- -	MAX.	1	V
VGD	VD=VDRM Tj=125 RL=3.3k	- -	MIN.	0.2	V
IL	IG=1.2IGT	-	MAX.	50	mA
				90	
IH	IT=100mA		MAX.	50	mA
dv/dt	VD=400V gate open Tj=125		MIN.	2000	V/s
(dv/dt)c	(di/dt)c=20 V/s Tj=125		MIN.	12	V/s
tgt	IG=80mA IA=400mA IR=40mA Tj=25		TYP.	5	s
tq				50	

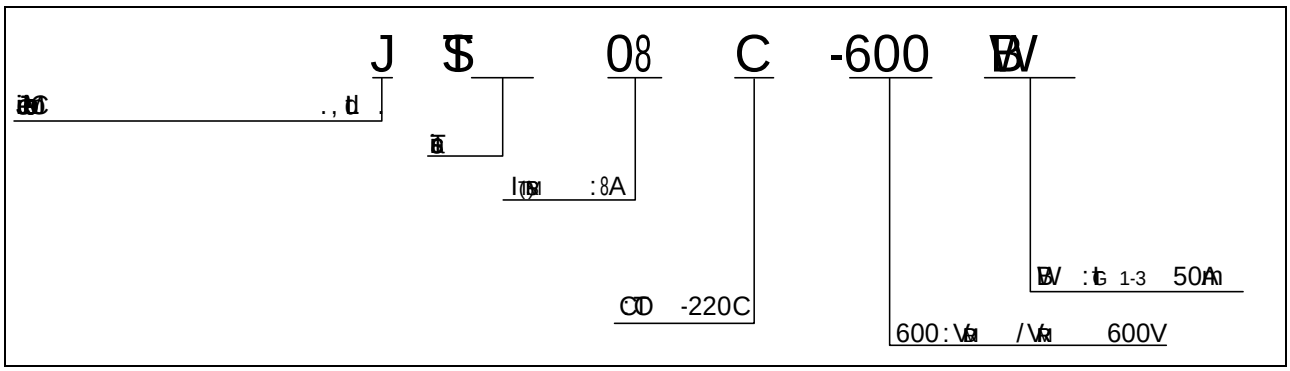
STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
VTM	ITM=11A tp=380 s	Tj=25	1.5	V
VTO	Threshold voltage	Tj=125	0.8	V
RD	Dynamic resistance	Tj=125	44	m
IDRM	VD=VDRM VR=VRRM	Tj=25	5	A
IRRM		Tj=125	0.25	mA

THERMAL RESISTANCES

Symbol	Parameter	Value	Unit
Rth(j-c)	Junction to case (AC)	1.5	/W
Rth(j-a)	Junction to ambient (AC)	60	/W

ORDERING INFORMATION



MARKING

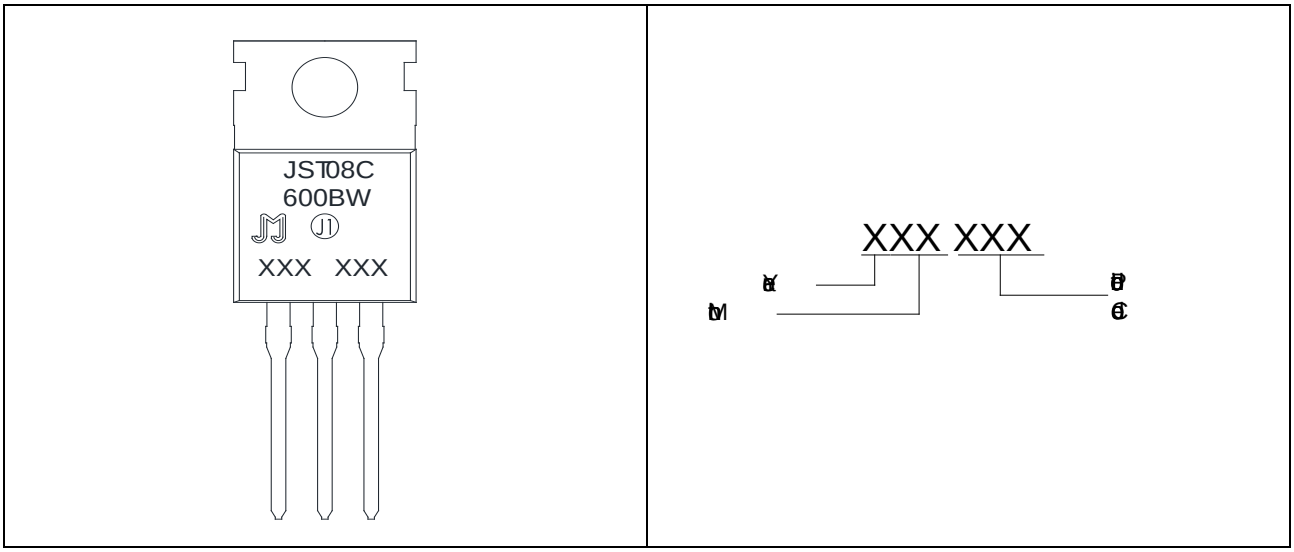


FIG.1: [illegible]

[illegible]

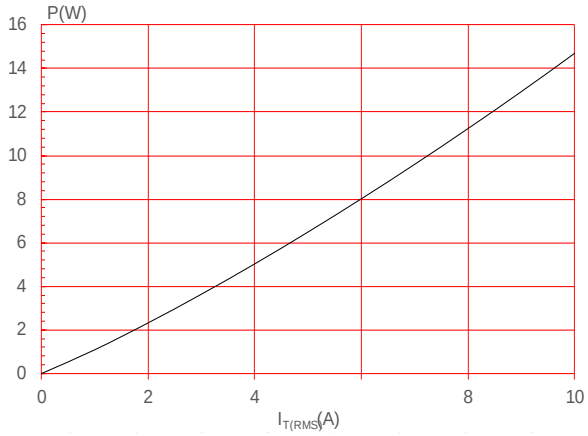


FIG.2: [illegible]

[illegible]

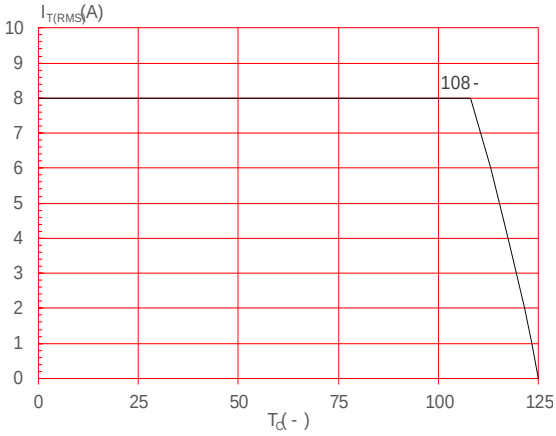


FIG.3: [illegible]

[illegible]

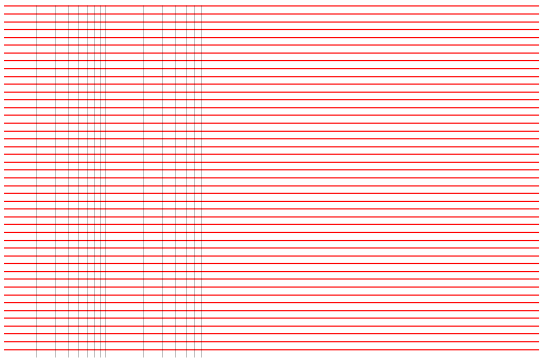
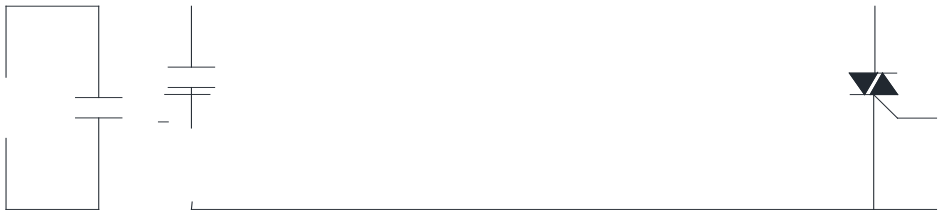


FIG.4: [illegible]

-61000-4-5



ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		H- I- J			
JST08C-600BW	600	50	TO-220C	50	Tube

Document Revision History

D	R	G
A 11, 2023	A 1.0	H
C15, 2025	A 168.84 279.84 T[(R-5 (t)]T 0 0 W.943 0 d (1)]T -0.005 0 0.005 W.557 0 d (.0)]T 0 0 W	