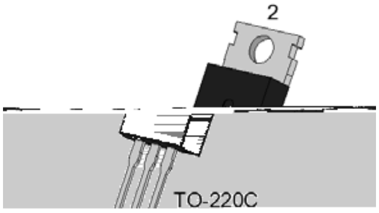
JST138C-600F 12A TRIAC

Rev.A.1.1

DESCRIPTION:

[illegible]



MAIN FEATURES

[illegible]	[illegible]	[illegible]
I[illegible]	[illegible]	A
V[illegible] / V[illegible]	60	V
I_G [illegible] / / /	[illegible] / [illegible] / [illegible]	[illegible]

ABSOLUTE MAXIMUM RATINGS

Parameter		Symbol	Value	Unit
[illegible]		T[illegible]	-[illegible] [illegible]	
[illegible]		T_j	-[illegible] [illegible]	
[illegible] -[illegible] T_j [illegible])		V[illegible]	60	V
[illegible] T_j [illegible])		V[illegible]	60	V
[illegible] -[illegible] (T_C [illegible])		I[illegible]	[illegible]	A
[illegible] -[illegible] [illegible] t_p [illegible] T_j [illegible])		I[illegible]	[illegible]	A
[illegible] -[illegible] [illegible] t_p [illegible] T_j [illegible])			[illegible]	
I^2t [illegible] (t_p [illegible] T_j [illegible])		I^2t	[illegible]	A^2s
[illegible] -[illegible] (I_G [illegible] I_G , [illegible] T_j [illegible])	-	[illegible]	[illegible]	A/μs
	-		[illegible]	
[illegible] (t_p [illegible] μs, T_j [illegible])		I[illegible]	4	A
[illegible] T_j [illegible])		P[illegible]	[illegible]	W
[illegible]		P[illegible]	[illegible]	W
[illegible] (T_j [illegible] ; [illegible] -[illegible] -[illegible]		V_p	1	[illegible]

ELECTRICAL CHARACTERISTICS (T_j=25

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=33 Ω	- -	MAX.	5	mA
				7	
V_{GT}		ALL	MAX.	1	V
V_{GD}	V_D=V_{DRM} T_j=125 R_L=3.3 kΩ	ALL	MIN.	0.2	V
I_L	I_G=1.2 I_{GT}	- -	MAX.	4	mA
				9	
I_H	I_T=50mA		MAX.	4	mA
dV/dt	V_D=67% gate open T_j=125		MIN.	20	V/μs
(dV/dt)c	5A/ T_j=125		MIN	8	V/μs
t_{gt}	I_G=50mA I_A=40mA I_R=40mA T_j=25		TYP.	5	μs

FIG.1: [illegible]

[illegible]

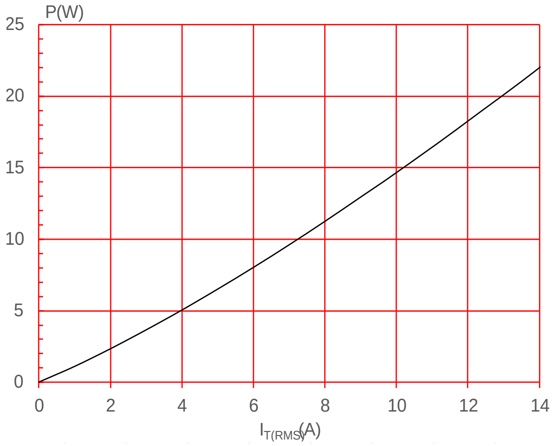
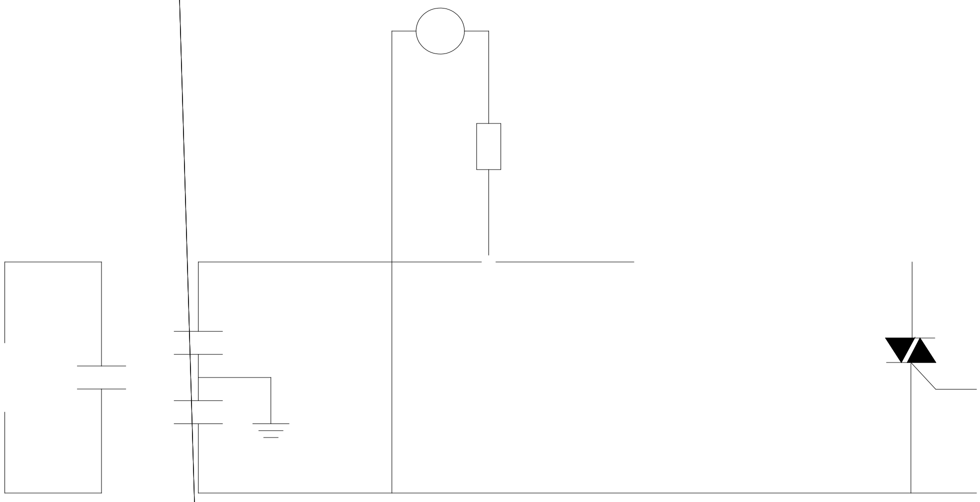


FIG.2: [illegible] -[illegible]

[illegible]

[illegible]



[illegible]

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