

ELECTRICAL CHARACTERISTICS (T_j=25 °C)

Symbol	Test Condition	Quadrant	Value		Unit
I _{GT}	V _D =12V R _L =33Ω	- -	MAX.	50	A
				70	
V _{GT}		ALL	MAX.	1.3	V
V _{GD}	V _D =V _{DRM} T _j =125 °C R _L =3.3kΩ	ALL	MIN.	0.2	V
I _L	I _G =1.2I _{GT}	- -	MAX.	80	A
				160	
I _H	I _T =500A		MAX.	80	A
dV/dt	V _D =540V Gate Op nT _j =125 °C		MIN.	1200	V/μs
(dV/dt) _{crit}	(dV/dt) _{crit} = 20A/μs T _j =125 °C		MIN.	20	V/μs
t ₀	I _G =80A I _A =400A I _R =40A T _j =25 °C		TYP.	10	μs
t _b				70	

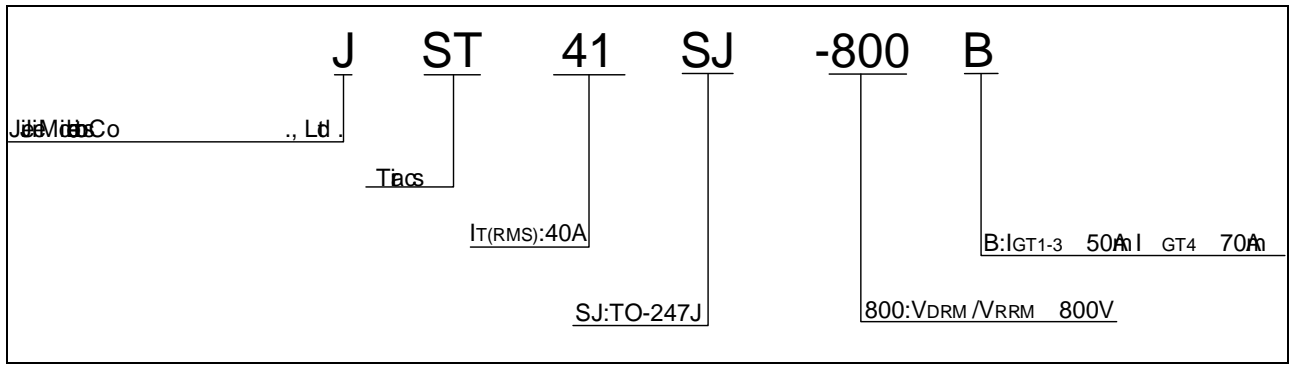
STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
V _{TM}	I _{TM} =60A t _p =380μs	T _j =25 °C	1.4	V
V _{TO}	T _{th}	T _j =125 °C	0.73	V
R _D	D _{pin}	T _j =125 °C	10	m
I _{DRM}	V _D =V _{DRM} V _R =V _{RRM}	T _j =25 °C	5	μA
I _R		T _j =125 °C	5	A

THERMAL RESISTANCES

Symbol	Parameter	Value	Unit
R _{h(j-c)}	junction (AC)	0.75	/W
R _{th(j-a)}	junction (AC)	50	/W

ORDERING INFORMATION



MARKING

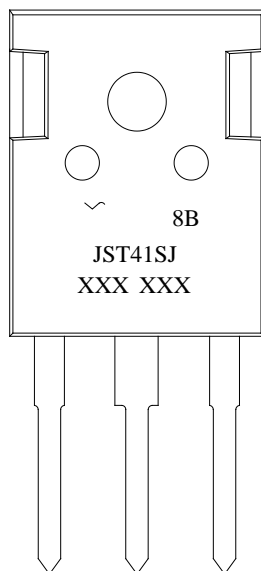
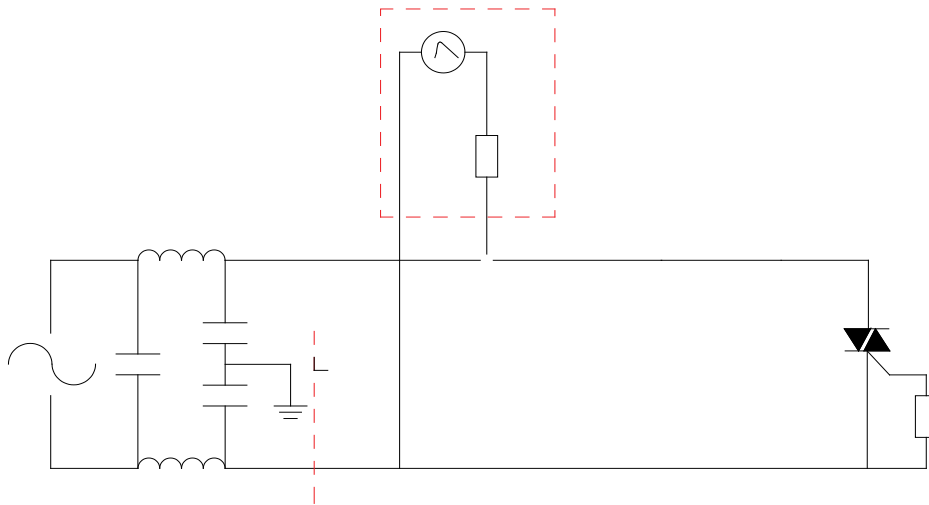


FIG.1: Main RMS
0 100

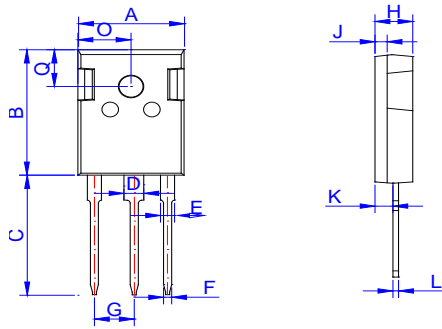
FIG.2: RMS 0 -100
0 100



JST41SJ-800B

JieJie 1J 0 c356(r)-c35 (rt)rrs Tc 0 T

PACKAGE MECHANICAL DATA



Rê	Din					
	Min			Max		
	Min	Typ	Max	Min	Typ	Max
A	15.50		16.10	0.610		0.634
B1	3.10		3.50	0.122		0.138
C	19.70		20.30	0.776		0.799
D	2.90		3.30	0.114		0.130
E	1.90		2.30	0.075		0.091
F	1.00		1.40	0.039		0.055
G		5.44			0.214	
H	4.80		5.20	0.189		0.205
J	1.90		2.10	0.075		0.083
K	2.20		2.50	0.087		0.098
L	0.41		0.79	0.016		0.031

Interd...
Jag...
sw...
his...
g...
P...
Jag...
ps

L...

0 Tc0 T2.55 0 0 Td () T12.219 0 TTc >BDC