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			

I_{GT}

D 0.480.004 Tc -0.002 Tw 12 0 0 121740.52 612.6 Tm [(=-8 t12V)1 (R)]TJ -0.034 Tc 0.034 Tw 8.04 0 0 8.04 180.84 612.12 Tm

365 >>BDC 0.004 Tc -0.004 Tw 6.26 0.97 Td <0109>Tj EMC 11 Span.7 (/w)1386 >>BDC /TT3 1 Tf 6/w >>BDC 0.007 Tc -0.007 Tw 5.84 -0.97 Td (mA)Tj 0 Tc 0 T

D=800V Gae e n Tj 25 MIN. .<0107>Tj EMC 11 Span.7 (/w)1386 >>BDC /TT3 1 Tf -

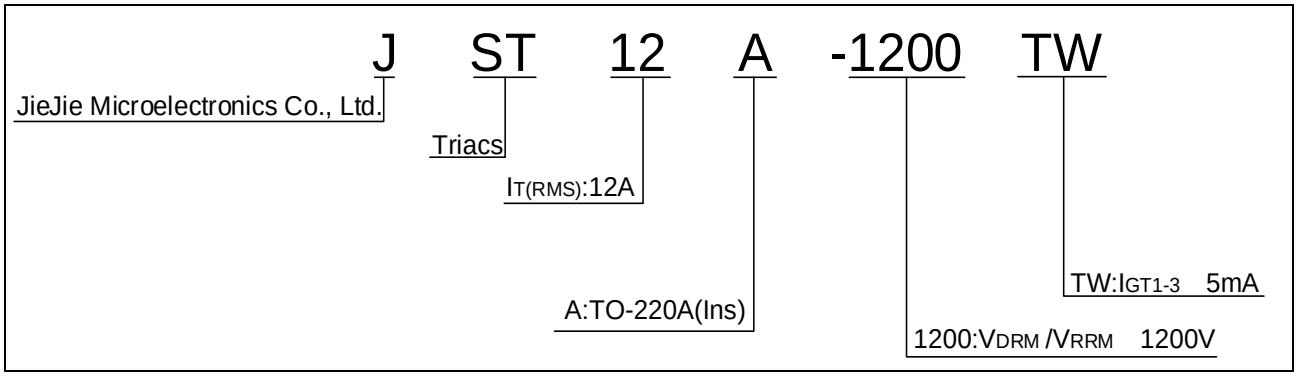
t_{on} I_G= mA 0 I R= 0mA

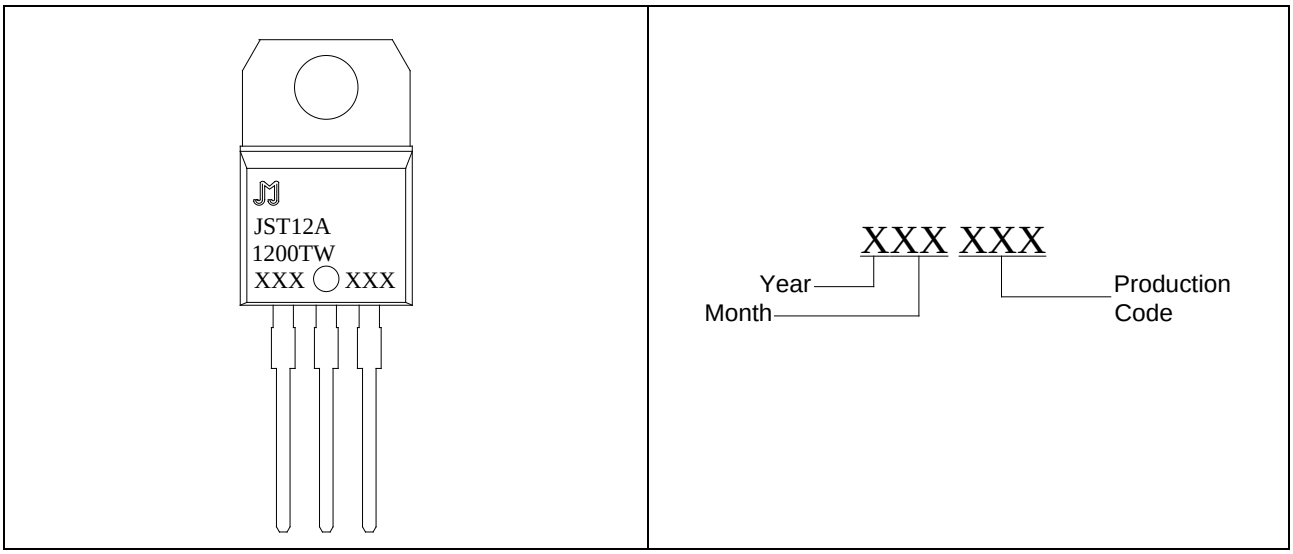
T_j=25 TYP.313.481 0MC13.7 (/w)139481 0P <<6.69 0.97 Td [(2)-435313.481 0MC13

Sybol	Pameter	VuMAX .)	
V_{TM} I TM = A t_p=380 s313.481 0MC13.7 (/w)13106 >>BDC 3.77 0 Td (T)Tj 8.04 0 0 8.04			
	j= 25	0.78V313.481 0MCET 5 56.4 309	
	j= 25	37	P

I_{DRM}

V_D =V_{DRM}


J ST 12 A -1200 TW
JieJie Microelectronics Co., Ltd.
Triacs
IT(RMS):12A
A:TO-220A(Ins)
1200:VDRM /VRRM 1200V
TW:IGT1-3 5mA


JST12A
1200TW
XXX XXX
XXX XXX
Year
Month
Production
Code

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
JST12A-1200TW	1200	5	TO-220A(Ins)	50	Tube

Document Revision History

Date	Revision	Changes
Apr.11, 2023	A.1.0	Last updated
Oct.13, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA