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 [(110)-3 Tj EMC Tw 15 Span.7 (/w)1386 >>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 N.11Span.7 (/w)1386 >>BDC /TT3 1 Tf -

t_{on} I_G= mA0 I R= 0mA

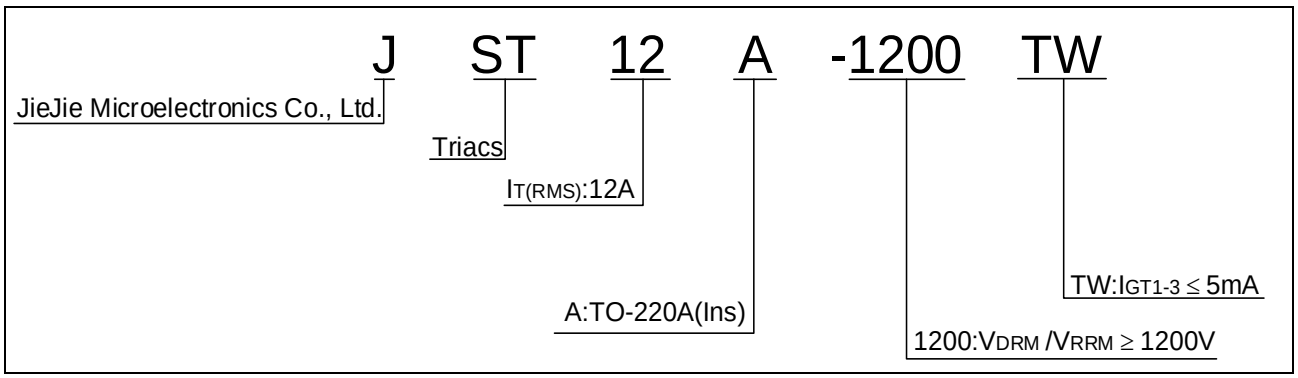
T_j=25 TYP.313.481 0MC13.7 (/w)139481 0P <<6.69 0.97 Td [(2)-435313.481 0MC13

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 56.4 309	
		j= 25	37	P

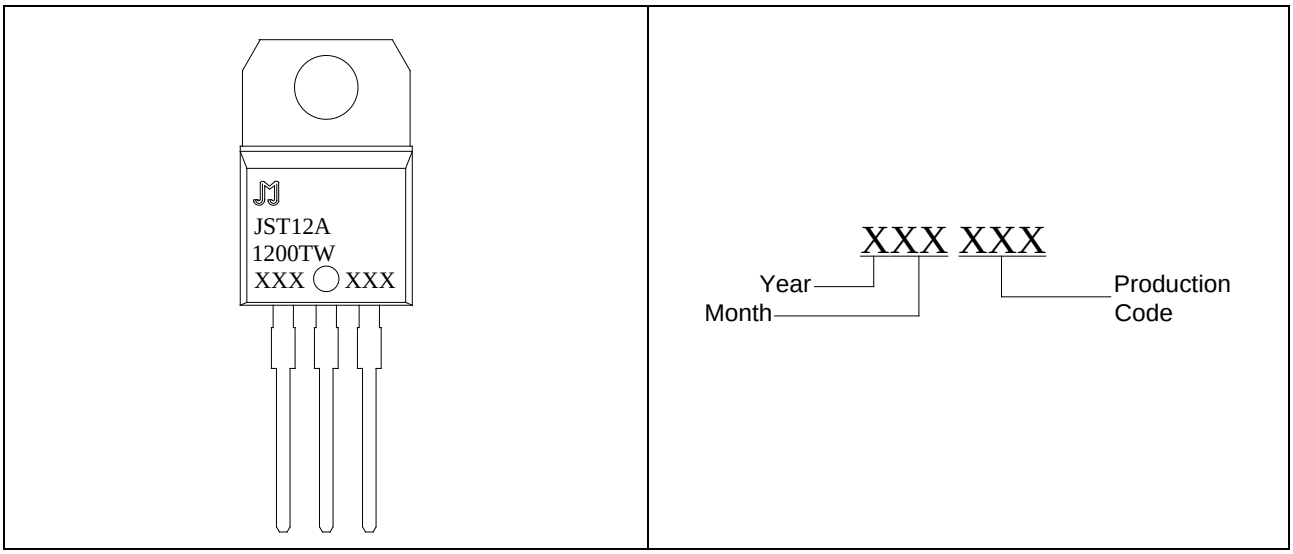
I_{DRM}

V_D =V_{DRM}

ORDERING INFORMATION



MARKING



ORDERING INFORMATION

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