

**JIEJIE MICROELECTRONICS CO.**

Peak pulse voltage ( $T_j=25$ ; non-repetitive, off-state; FIG.8)	$V_{pp}$	2.5	kV
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**ELECTRICAL CHARACTERISTICS** ( $T_j=25$  unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
$I_{GT}$	$V_D=12V$ $R_L=33$	- -	MAX.	50	mA
$V_{GT}$		- -	MAX.	1	V
$V_{GD}$	$V_D=V_{DRM}$ $T_j=125$ $R_L=3.3k$	- -	MIN.	0.2	V
$I_L$	$I_G=1.2I_{GT}$	-	MAX.	50	mA
				90	
$I_H$	$I_T=100mA$		MAX.	50	mA
dV/dt	$V_D=800V$ Gate Open $T_j=125$		MIN.	500	V/ $\mu s$
(dI/dt) <sub>c</sub>	(dV/dt) <sub>c</sub> =20V/ $\mu s$ , $T_j=125$		MIN.	12	A/ms
$t_{on}$	$I_G=80mA$ $I_A=400mA$ $I_R=40mA$ $T_j=25$		TYP.	5	$\mu s$
$t_{off}$				50	

**STATIC CHARACTERISTICS**

Symbol	Parameter		Value(MAX.)	Unit
$V_{TM}$	$I_{TM}=11A$ $t_p=380\mu s$	$T_j=25$	1.5	V
$V_{TO}$	Threshold voltage	$T_j=125$	0.82	V
$R_D$	Dynamic resistance	$T_j=125$	45	m
$I_{DRM}$	$V_D=V_{DRM}$ $V_R=V_{RRM}$	$T_j=25$	10	$\mu A$
$I_{RRM}$		$T_j=125$	1	mA

ORDER INFORMATION

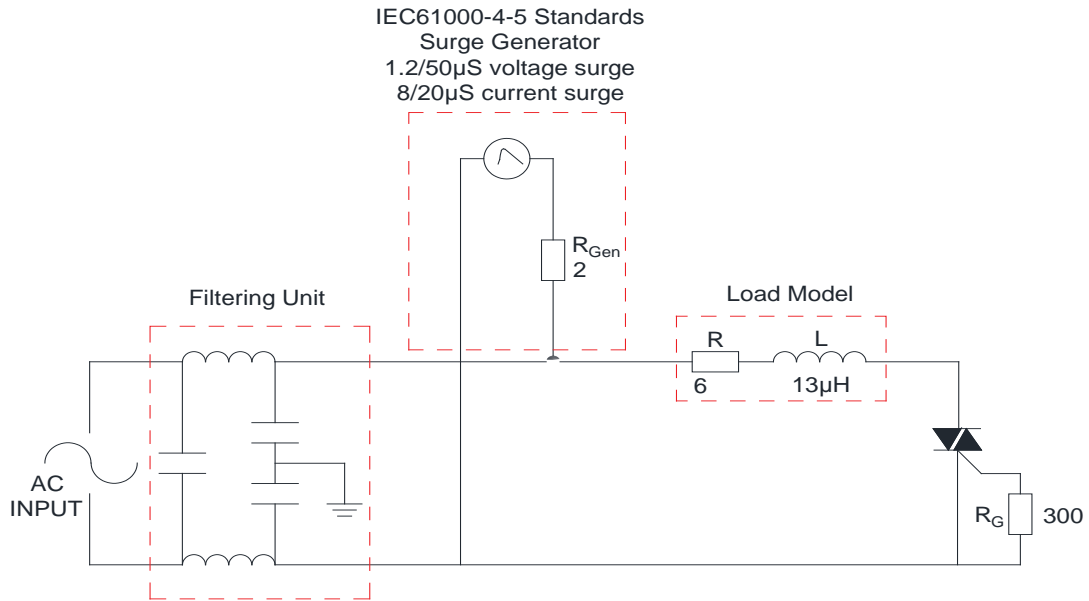
J ST 08 E -1200 BW -/

TRc -0.003 Tw [(12S66w0.5 ( : |))]TJ -0.011 Tc6 )Tj0 T-/87(a 0828 (pe)Ji)9ET Q q 58w 0 ( )-31.21177 ]T835Tc (





FIG.8 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



**ORDER INFORMATION**

Order code	Voltage $V_{DRM}/V_{RRM}$ (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
JST08E-1200BW	1200	50	TO-263	50	Tube
JST08E-1200BW-TR				800	Tape & Reel

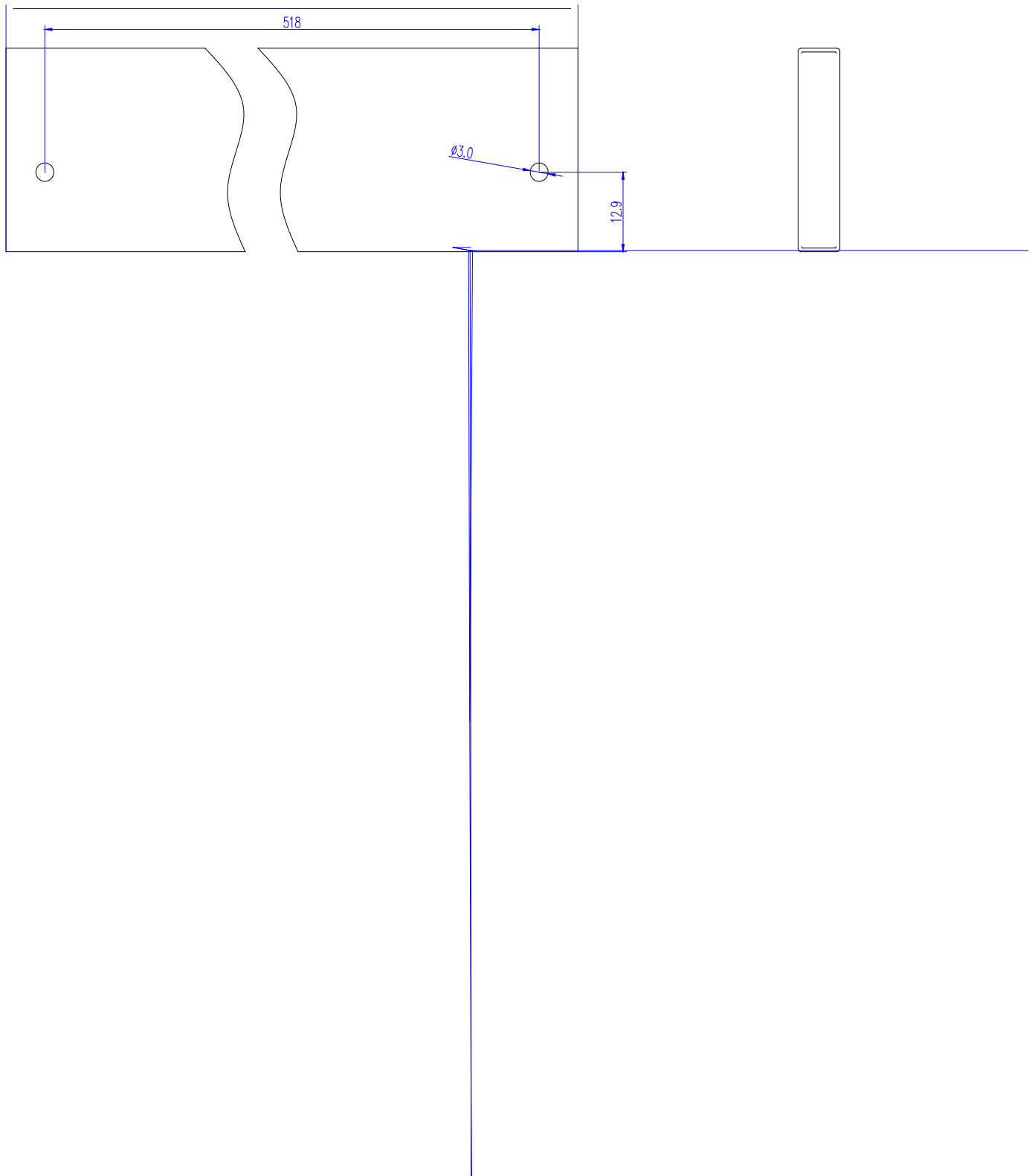
**Document Revision History**

Date	Revision	Changes
Apr.11, 2023	A.1.0 1	

**JST08E-1200BW**

**JieJie**

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