Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.8)	V_{pp}	2.5	kV

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D =12V R_L =33Ω	- -	MAX.	50	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	V_D =V_{DRM} T_j =125 R_L =3.3kΩ	- -	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/μs
(dI/dt)c	(dV/dt)c=20V/μs, T_j=125		MIN.	12	A/ms
t_{on}	I_G=80mA I_A=400mA I_R=40mA T_j=25		TYP.	5	μs
t_{off}				50	

STATIC CHARACTERISTICS

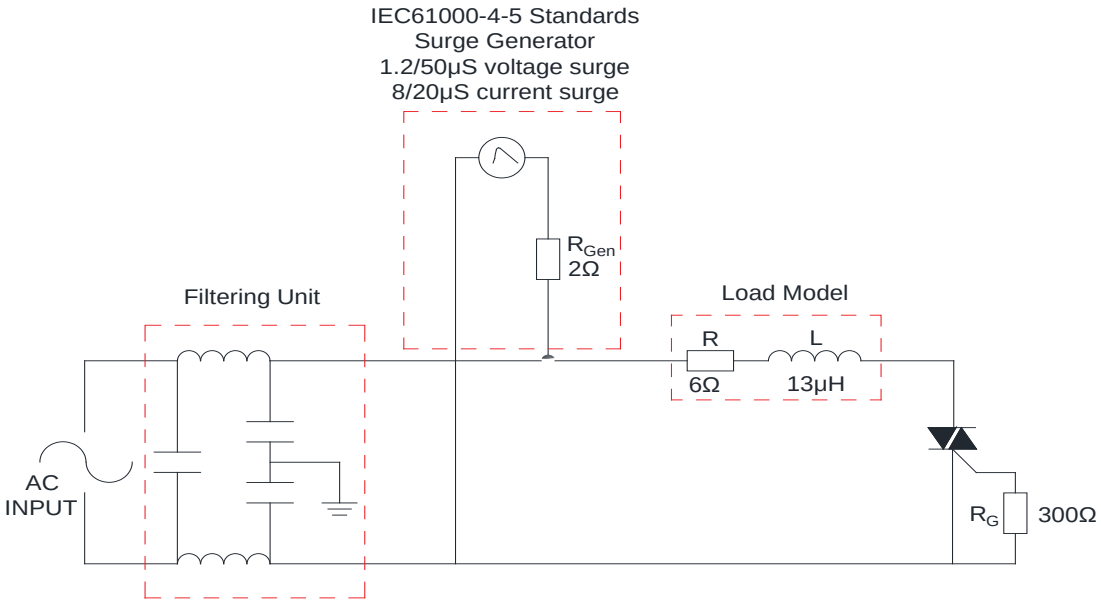
Symbol	Parameter		Value(MAX.)	Unit
V_{TM}	I_{TM} =11A t_p=380μs	T_j=25	1.5	V
V_{TO}	Threshold voltage	T_j=125	0.82	V
R_D	Dynamic resistance	T_j=125	45	mΩ
I_{DRM}	V_D =V_{DRM} V_R =V_{RRM}	T_j=25	10	μA
I_{RRM}		T_j=125	1	mA

RDERIN NFRMTIN

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



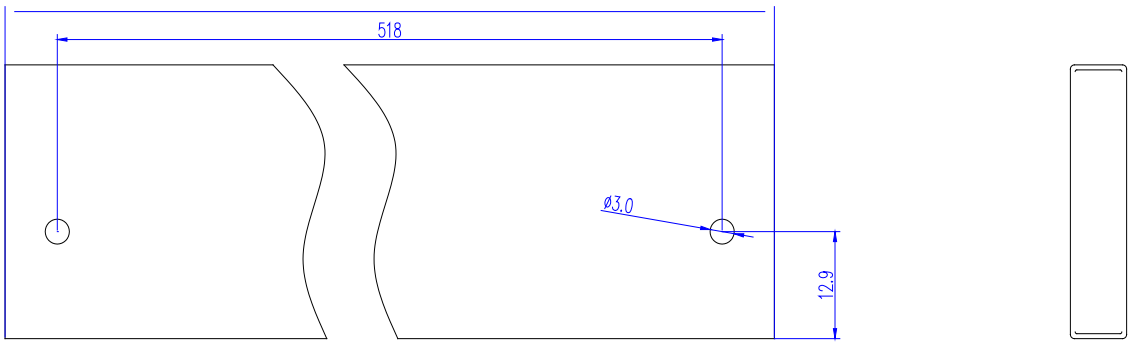
ORDERING INFORMATION

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	

DELIVERY MODE



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