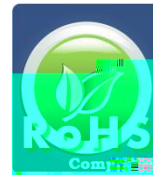
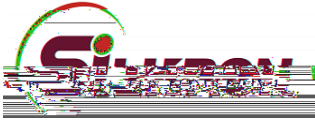


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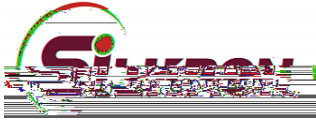


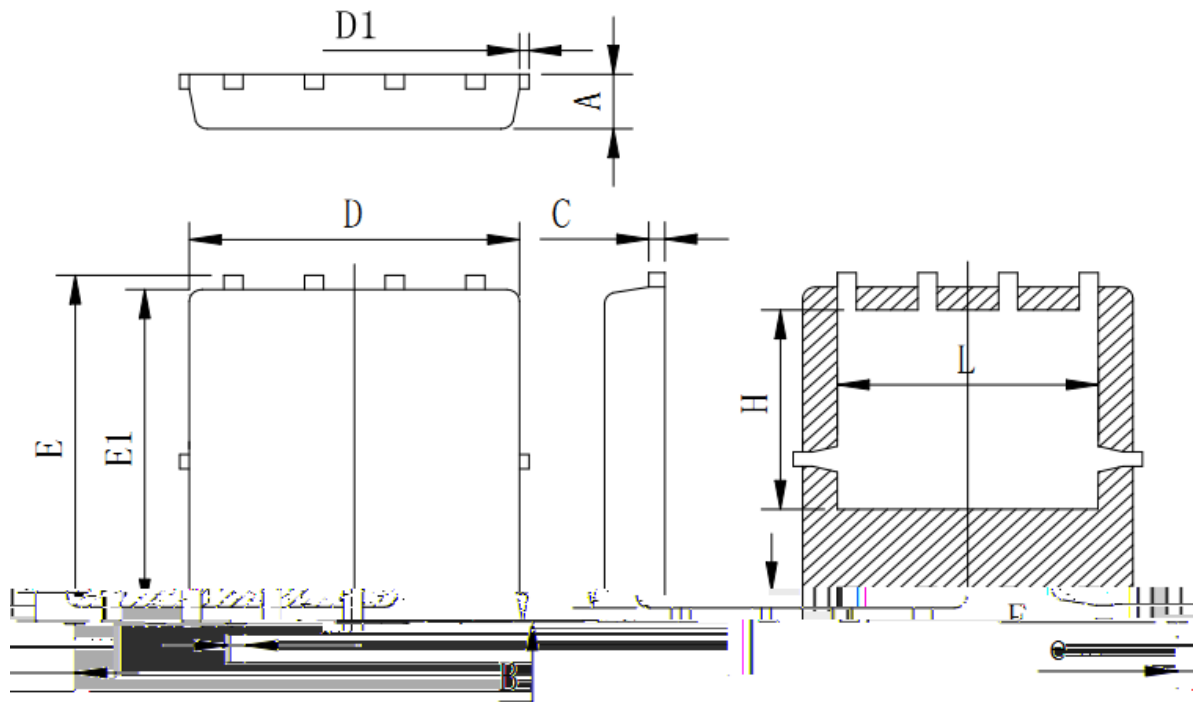
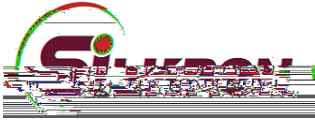
Symbol	Parameter	Max.	Units
$I_D @ T_C = 25^\circ\text{C}$	Continuous Drain Current, $V_{GS} @ 10\text{V}$	100	A
$I_D @ T_C = 100^\circ\text{C}$	Continuous Drain Current, $V_{GS} @ 10\text{V}$	63	
I_{DM}	Pulsed Drain Current	400	
$P_D @ T_C = 25^\circ\text{C}$	Power Dissipation	78	W
V_{DS}	Drain-Source Voltage	30	V
V_{GS}	Gate-to-Source Voltage	± 20	V
E_{AS}	Single Pulse Avalanche Energy @ $L=0.5\text{mH}$	196	mJ
$T_J \quad T_{STG}$	Operating Junction and Storage Temperature Range	-55 to +150	$^\circ\text{C}$



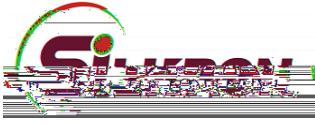
Symbol	Characterizes	Typ.	Max.	Units
	Junction-to-case			

Symbol	Parameter	Min.	Typ.	Max.	Units	Conditions
$V_{(BR)DSS}$	Drain-to-Source breakdown voltage	30			V	$V_{GS} = 0V, I_D$
$R_{DS(on)}$	Static Drain-to-Source on-resistance		2.8	3.8	m	$V_{GS}=10V, I_D = 30A$
			4	5.2		$V_{GS}=4.5V, I_D = 20A$
$V_{GS(th)}$	Gate threshold voltage	1		2.2	V	$V_{DS} = V$





Symbol	Min	Typ	Max
A	0.68	0.48	0.58
B	0.30	0.20	0.254
D	5.20	5.40	5.00
D1	0.15	0.11	
E	6.05	6.20	5.90
E1	5.55	5.70	5.40
e	1.27	1.32	1.22
F	0.30	0.35	0.25
H	3.47	3.67	3.27
L	4.90	4.90	4.80



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