1.2A MBS

1.2A Surface Mount Glass Passivated Bridge Rectifier, MBS package.

100V~1000V 1.2A

Glass Passivated Chip Junction, Reverse Voltage:100to1000V, Forward Current:1.2A, High Surge Current Capability, Designed for Surface Mount Application.Halogen free product.

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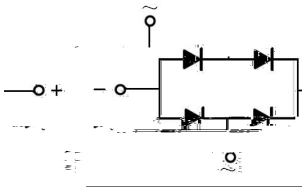
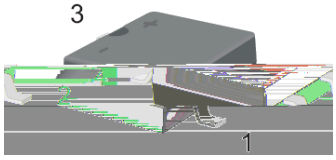
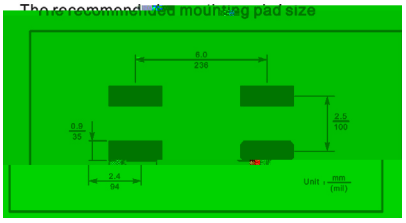
General purpose.





PIN	DESCRIPTION
1	Input Pin (~)
3	Output Anode (+)



See Marking Instructions.

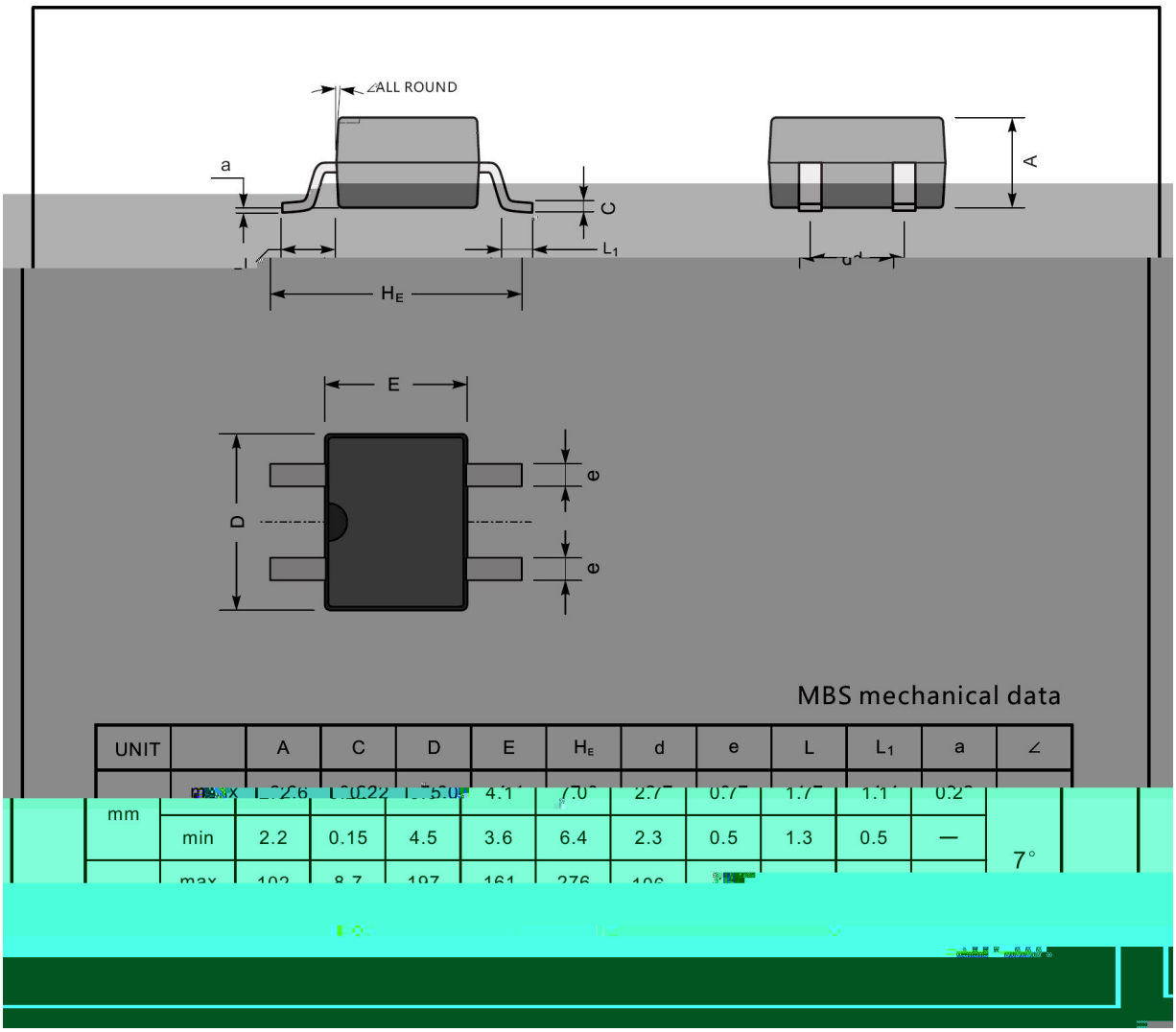
Parameter	Symbol	Rating						Unit
		MB1S-12	MB2S-12	MB4S-12	MB6S-12	MB8S-12	MB10S-12	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	100	200	400	600	800	1000	V
Average Rectified Output Currentat T_a = 125	I_F	1.2						A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	40						A
Typical Junction Capacitance Note1	C_j	18						pF
Typical Thermal Resistance Note2	$R_{\theta JA}$	75						/W
Typical Thermal Resistance Note2	$R_{\theta JL}$	25						/W
Operating and Storage Temperature Range	T_j,T_{stg}	-55~+150						

Note:

1. Measured at 1MHz and applied reverse voltage of 4 V D.C.
2. Mounted on glass epoxy PC board with 4 × 1.5" × 1.5" 3.81 × 3.81 cm copper pad.

Parameter	Symbol	Test condition	Rating	Unit
Maximum Forward Voltage	V_F	I_F=1.2A	1.1	V
Maximum DC Reverse Current at Maximum DC Blocking Voltage	I_R	T_a=25 T_a=125	5.0 80	μA

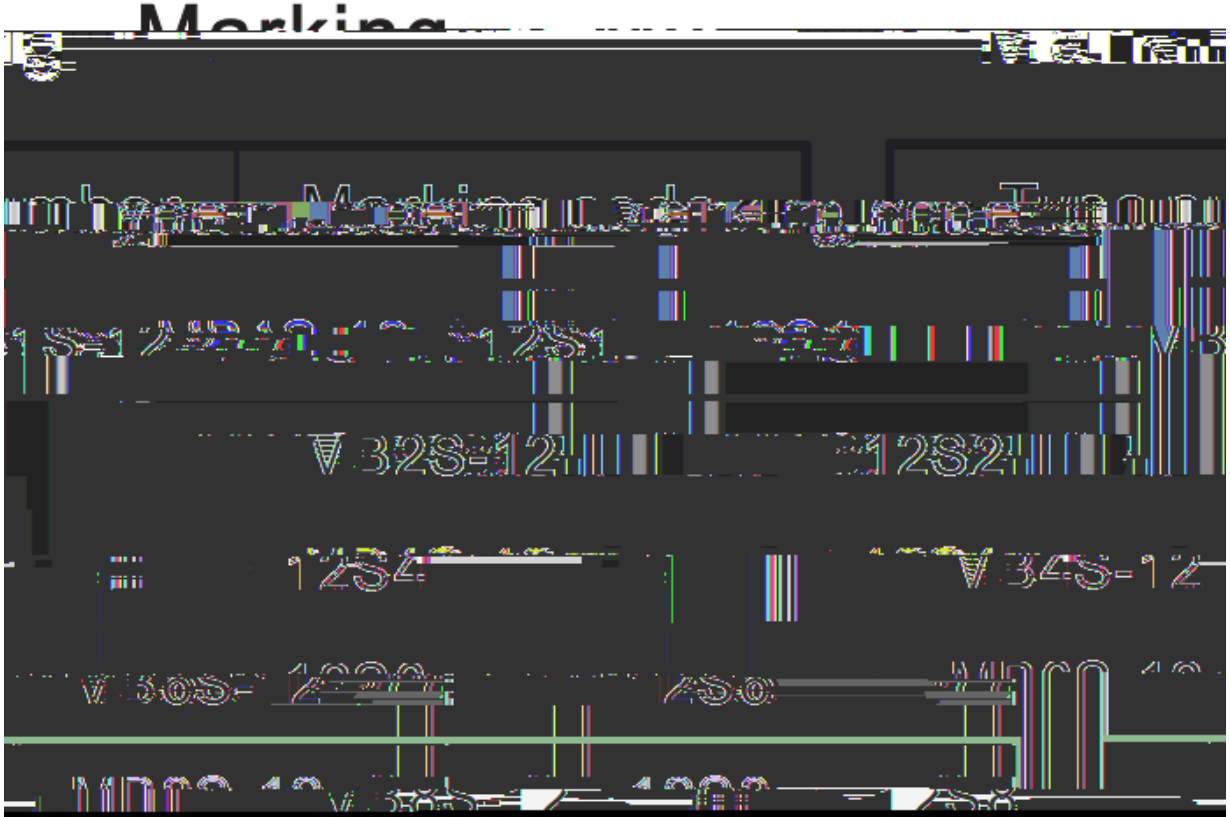
MBS

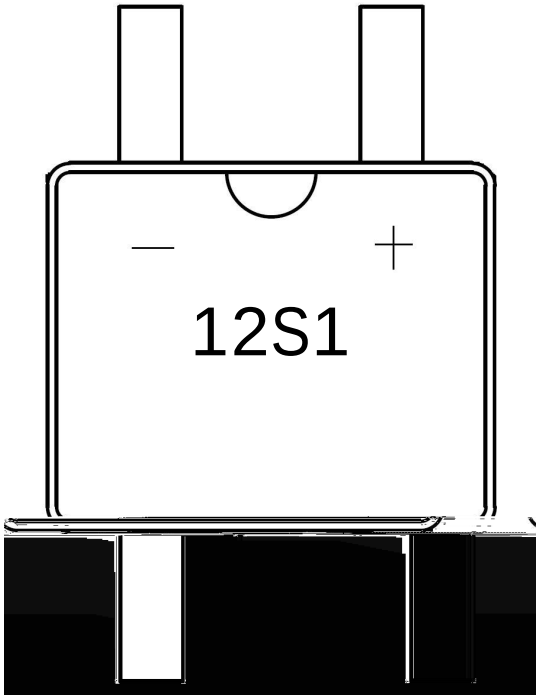


MBS mechanical data

UNIT		A	C	D	E	H_E	d	e	L	L_1	a	∠
mm	max	[illegible]	[illegible]	[illegible]	4.1[illegible]	7.0[illegible]	2.7[illegible]	0.7[illegible]	1.7[illegible]	1.1[illegible]	0.2[illegible]	7°
	min	2.2	0.15	4.5	3.6	6.4	2.3	0.5	1.3	0.5	—	
	max	10[illegible]	8.7	19[illegible]	16[illegible]	27[illegible]	10[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

Marking





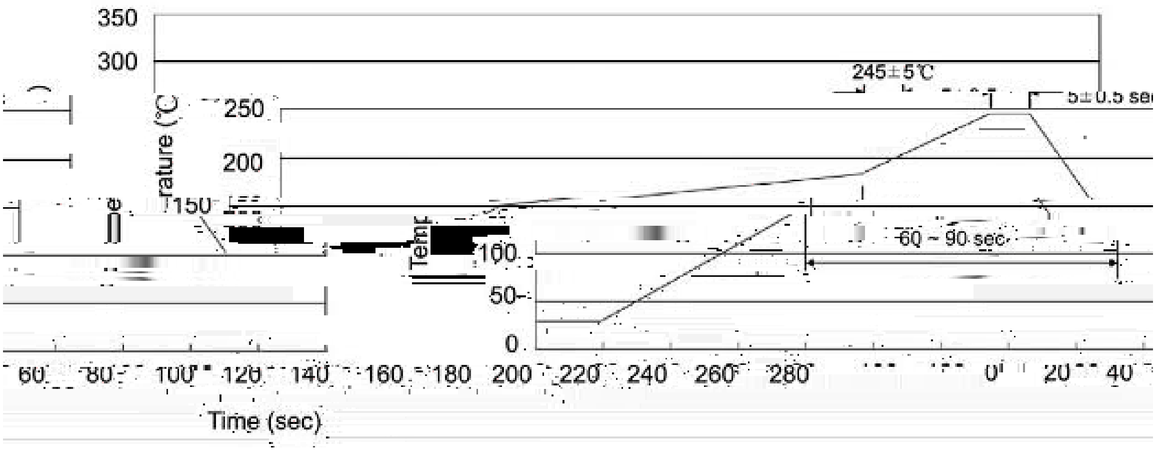
12S1

1 3

Note:

12S1 Product Type Code

Lot No. Code The 1st means:YM Code The last 3 means:little Lot No Code



Note:

1 150 180 60 90sec;

2 245±5 5±0.5sec;

3 2 10 /sec.

1.Preheating:150~180 , Time:60~90sec.

2.Peak Temp.:245±5 , Duration:5±0.5sec.

3. Cooling Speed: 2~10 /sec.

260±5 10±1 sec.

Temp.:260±5 Time:10±1 sec