

1.0A MBS
1.0A Surface Mount Glass Passivated Bridge Rectifier, MBS package.

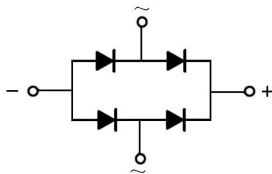
/ Features

Glass Passivated Chip Junction, Reverse Voltage:100to1000V, Forward Current:1.0A, High Surge Current Capability, Designed for Surface Mount Application.Halogen free product.

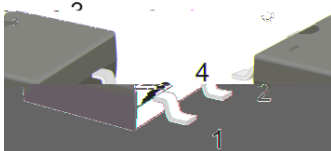
/ Applications

General purpose.

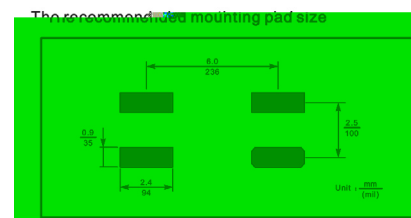
/ Equivalent Circuit



/ Pinning



PIN	DESCRIPTION
1	Input Pin (~)
2	Input Pin (~)
3	Output Anode (+)
4	Output Cathode (-)



/ Marking

See Marking Instructions.

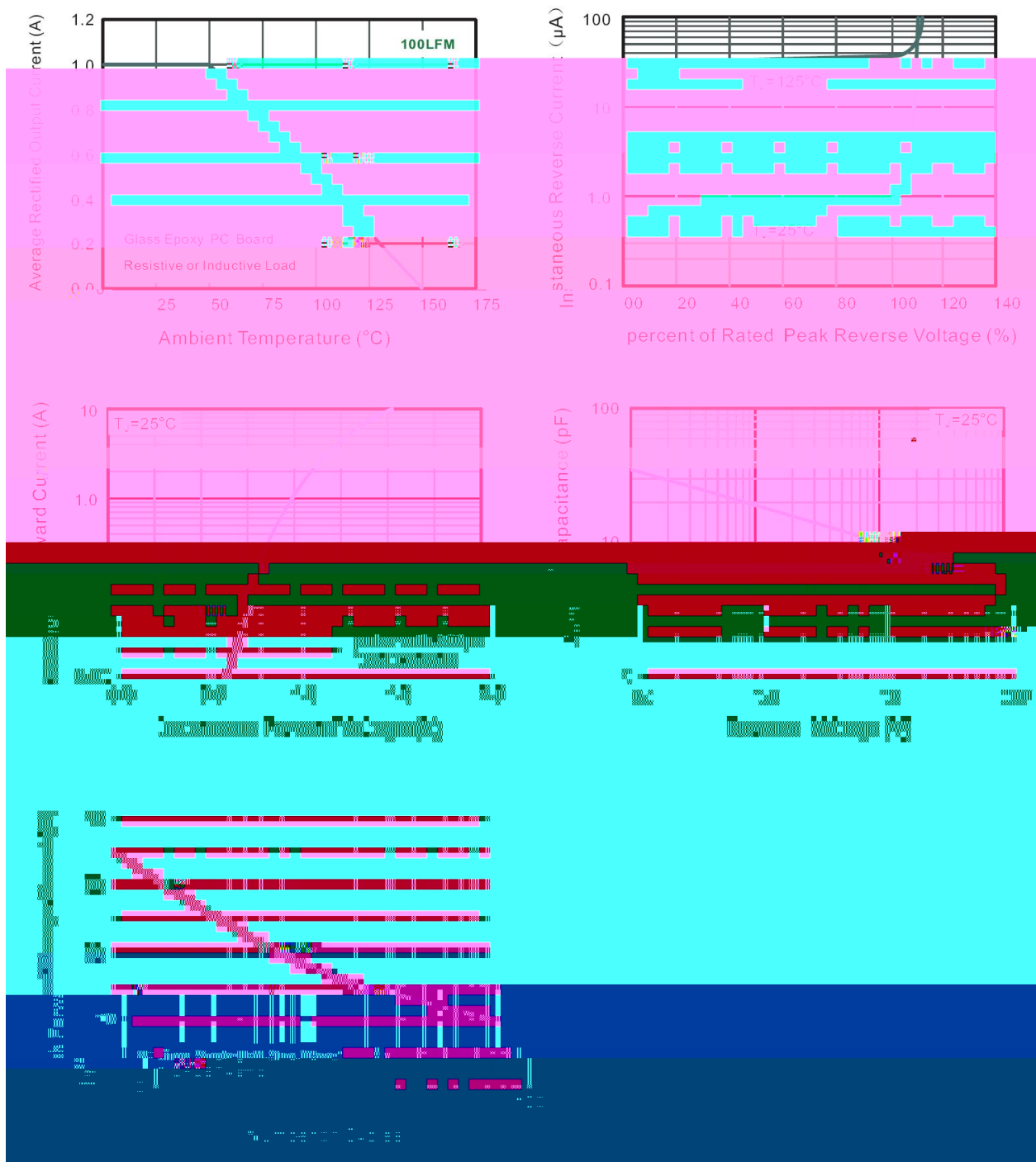
Parameter	Symbol	Rating					Unit	
		MB1S-10	MB4S-10	MB6S-10	MB8S-10	MB10S-10		
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	100	100	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	100	200	400	600	800	1000	V
Average Rectified Output Current at T _a = 50	I _o	1.0						A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	35						A
Typical Junction Capacitance Note1	C _j	13						pF
Typical Thermal Resistance Note2	R _{JA}	85						/W
Typical Thermal Resistance Note2	R _{JL}	30						/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 (5 5mm² copper pad..

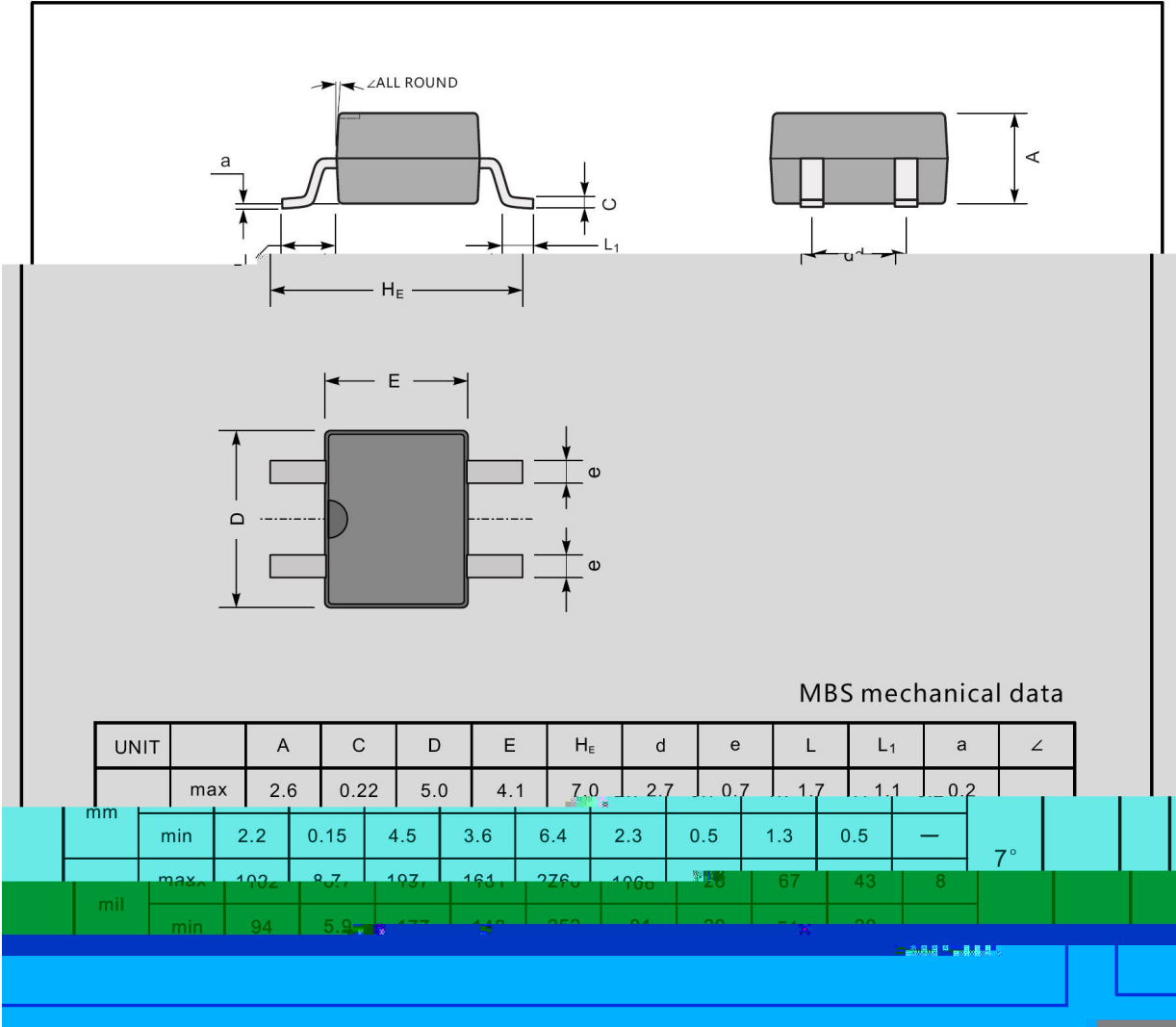
Parameter	Symbol	Test condition	Rating	Unit
Maximum Forward Voltage	V_F	$I_F=1.0A$	1.1	V
Maximum Reverse Current				
Maximum Blocking Voltage				

/ Electrical Characteristic Curve



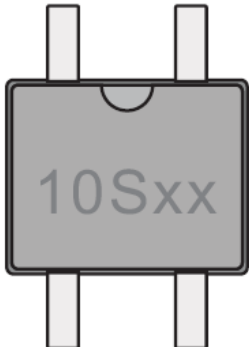
/ Package Dimensions

MBS

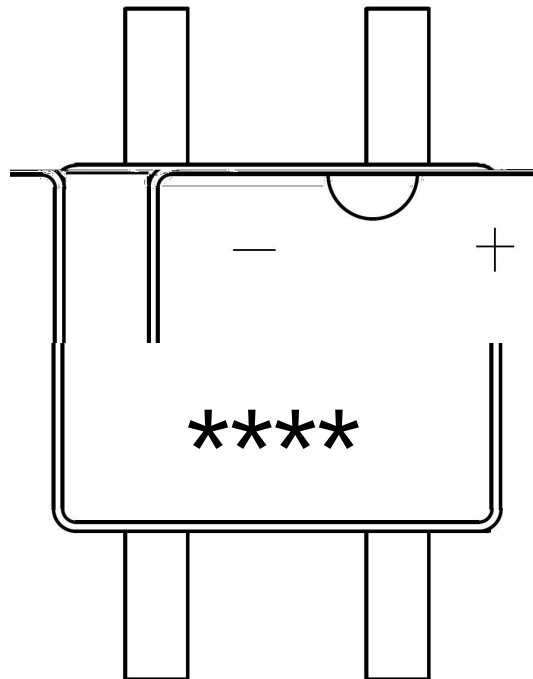


Marking

Type number	Marking code
MB1S-10	10S1
MB2S-10	10S2
MB4S-10	10S4
MB6S-10	10S6
MB8S-10	10S8
MB10S-10	10S10



/ Marking Instructions



Note:

Product Type Code

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

