

/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating						Unit
		MB1S-05	MB2S-05	MB4S-05	MB6S-05	MB8S-05	MB10S-05	
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 Current at $T_a = 50^\circ\text{C}$	I_o	0.5						A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	20						A
Typical Junction Capacitance ^(Note1)	C_j	11						pF
Typical Thermal Resistance ^{Note2}	$R_{\theta JA}$	120						/W
Typical Thermal Resistance ^{Note2}	$R_{\theta JL}$	35						/W
Operating and Storage Temperature Range	T_j, T_{stg}	-55~+150						

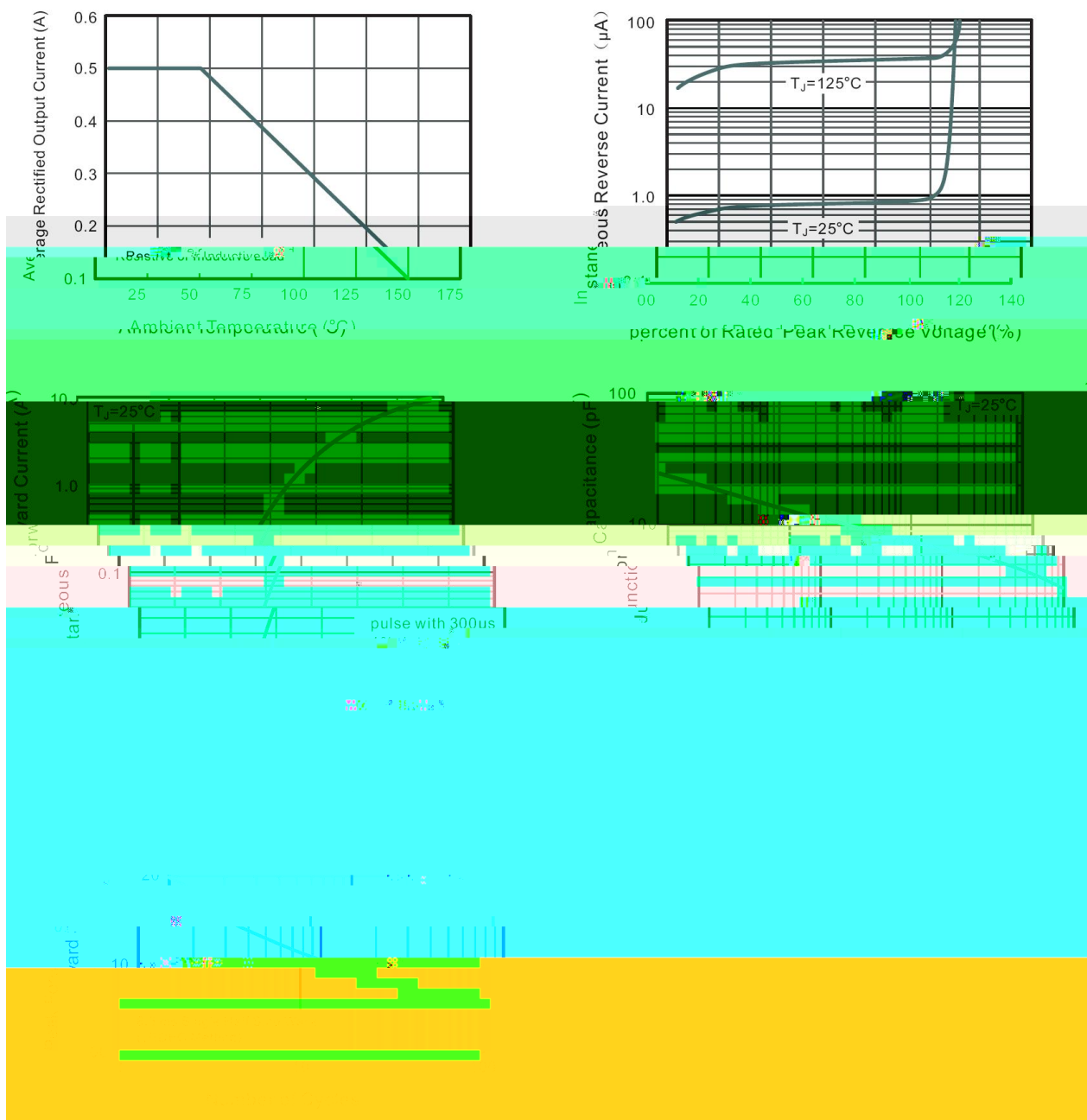
Note:

1. Measured at 1MHz and applied reverse voltage of 4 V D.C.
2. Mounted on glass epoxy PC board with $4 \times (5 \times 5\text{mm}^2)$ copper pad..

/ Electrical Characteristics(Ta=25)

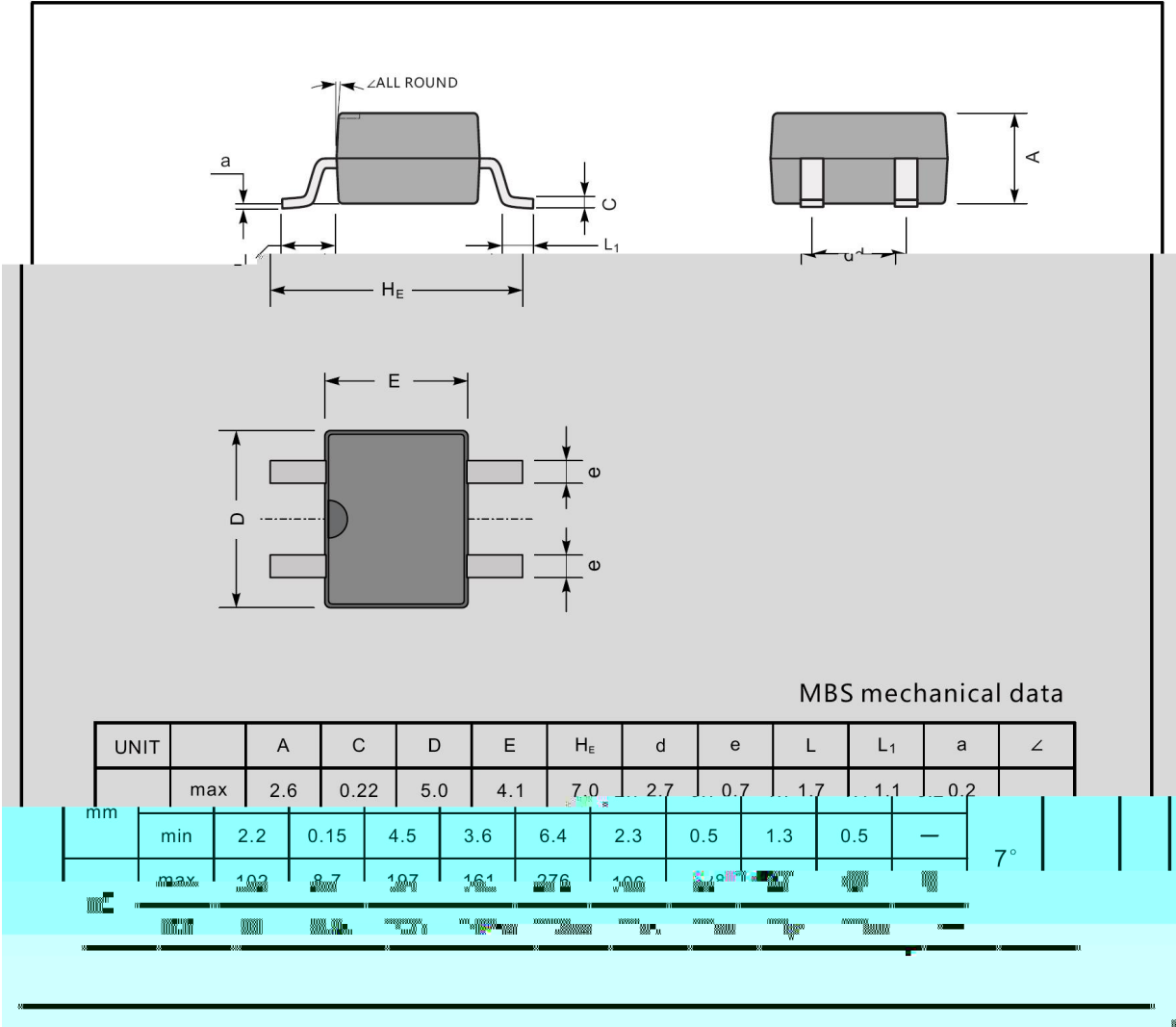
Parameter	Symbol	测试条件 Test condition	数值 Rating	单位 Unit
Maximum Forward Voltage	V_F	$I_F=0.5\text{A}$	1.1	V
Maximum DC Reverse Current at Maximum DC Blocking Voltage	I_R	$T_a=25^\circ\text{C}$ $T_a=125^\circ\text{C}$	5.0 40	μA

/ Electrical Characteristic Curve



/ Package Dimensions

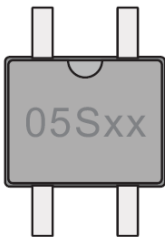
MBS



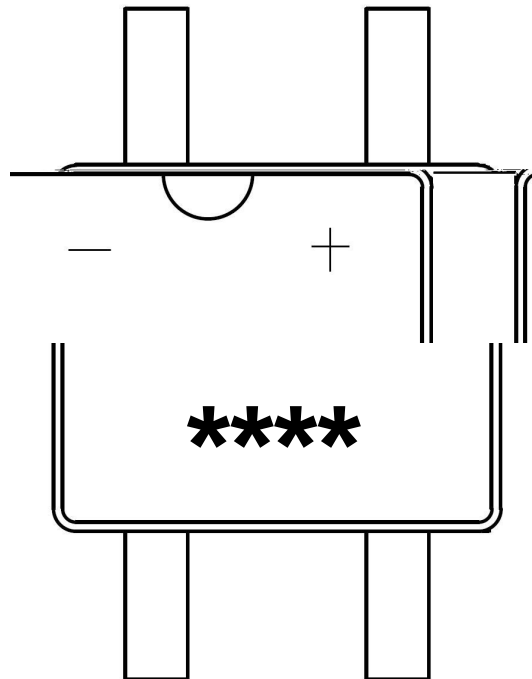
/ Marking Instructions

Marking

Type number	Marking code
MB1S-05	05S1
MB2S-05	05S2
MB4S-05	05S4
MB6S-05	05S6
MB8S-05	05S8
MB10S-05	05S10



/ Marking Instructions



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Note:

Product Type Code

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

