

/ Descriptions

1.0A 1.0A Surface Mount Schottky Bridge Rectifier, MBS package.

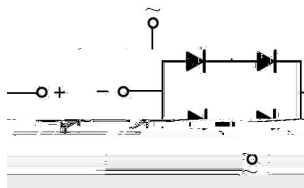
/ Features

Glass Passivated Chip Junction, Reverse Voltage:40to200V, Forward Current:1.0A, High Surge Current Capability, Designed for Surface Mount Application.Halogen free product.

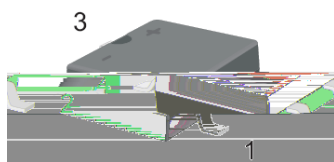
/ Applications

General purpose.

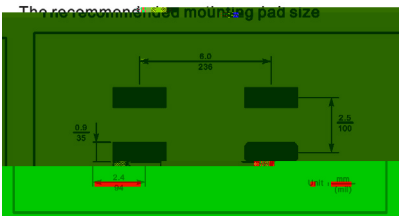
/ Equivalent Circuit



/ Pinning



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



/ Marking

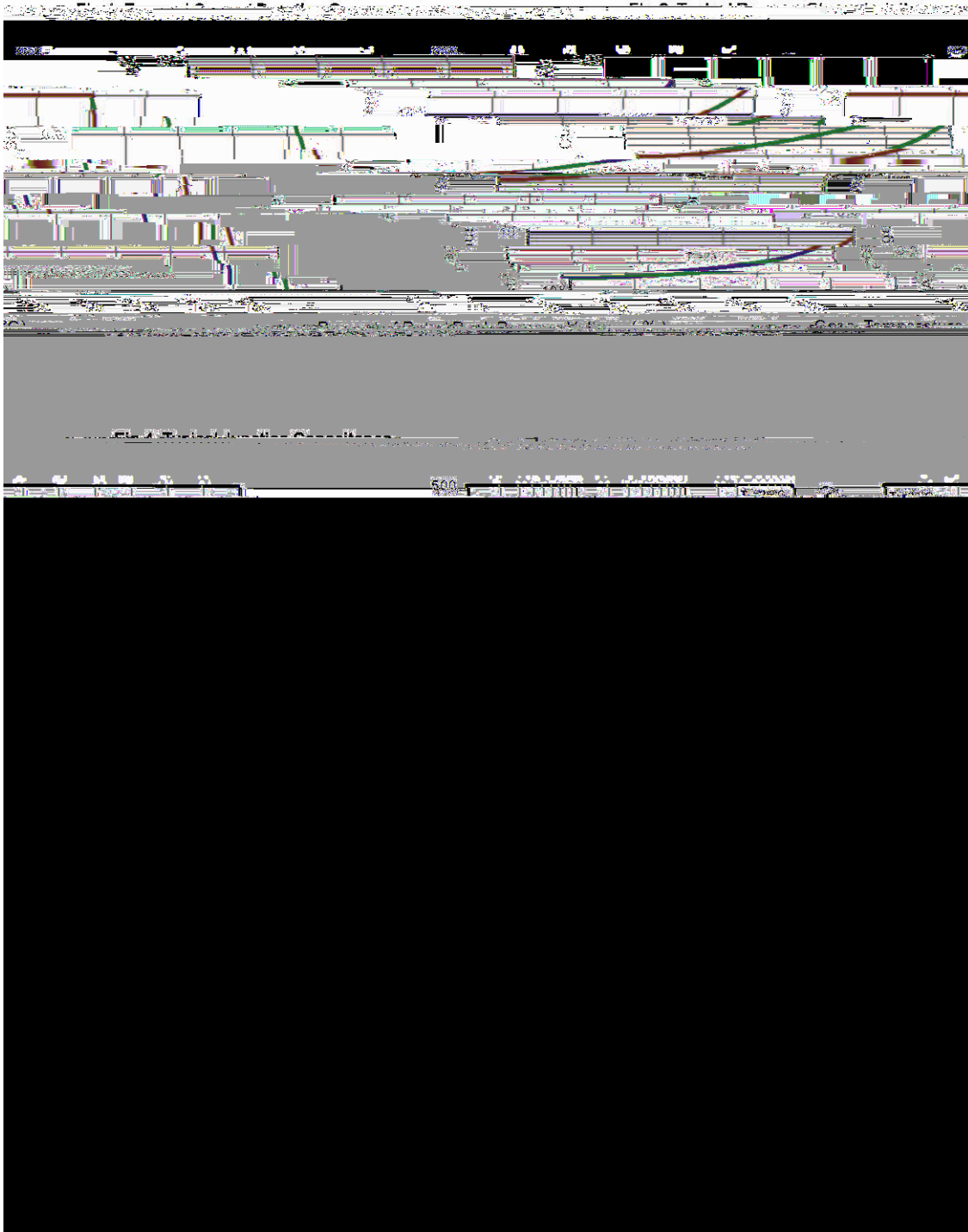
See Marking Instructions.

MB14S~MB120S

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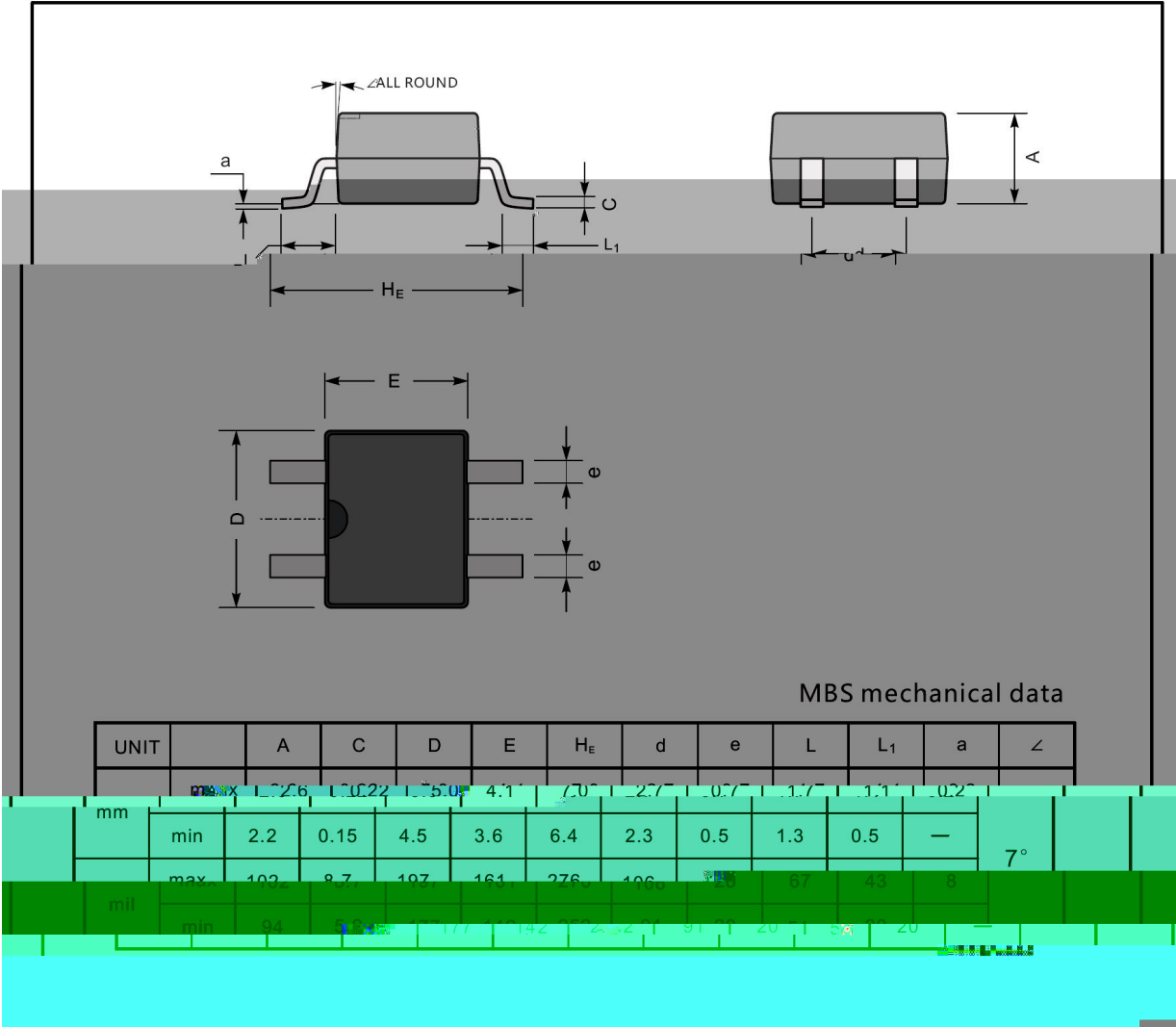
Parameter	Symbol	Rating						Unit
		MB14S	MB16S	MB18S	MB110S	MB115S	MB120S	
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	40	60	80	100	150	200	V
Maximum RMS voltage	V _{RMS}	28	42	56	70	105	140	V
Maximum DC Blocking Voltage	V _{DC}	40	60	80	100	150	200	V
Maximum Average Forward Rectified Current at T _C = 100	I _{F(AV)}	1.0						A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	40			30			A
Typical Junction Capacitance <small>Note1</small>	C _j	110	80					pF
Typical Thermal Resistance <small>Note2</small>	R _{θJA}	100						/W
Operating Junction Temperature Range	T _j							

/ Electrical Characteristic Curve



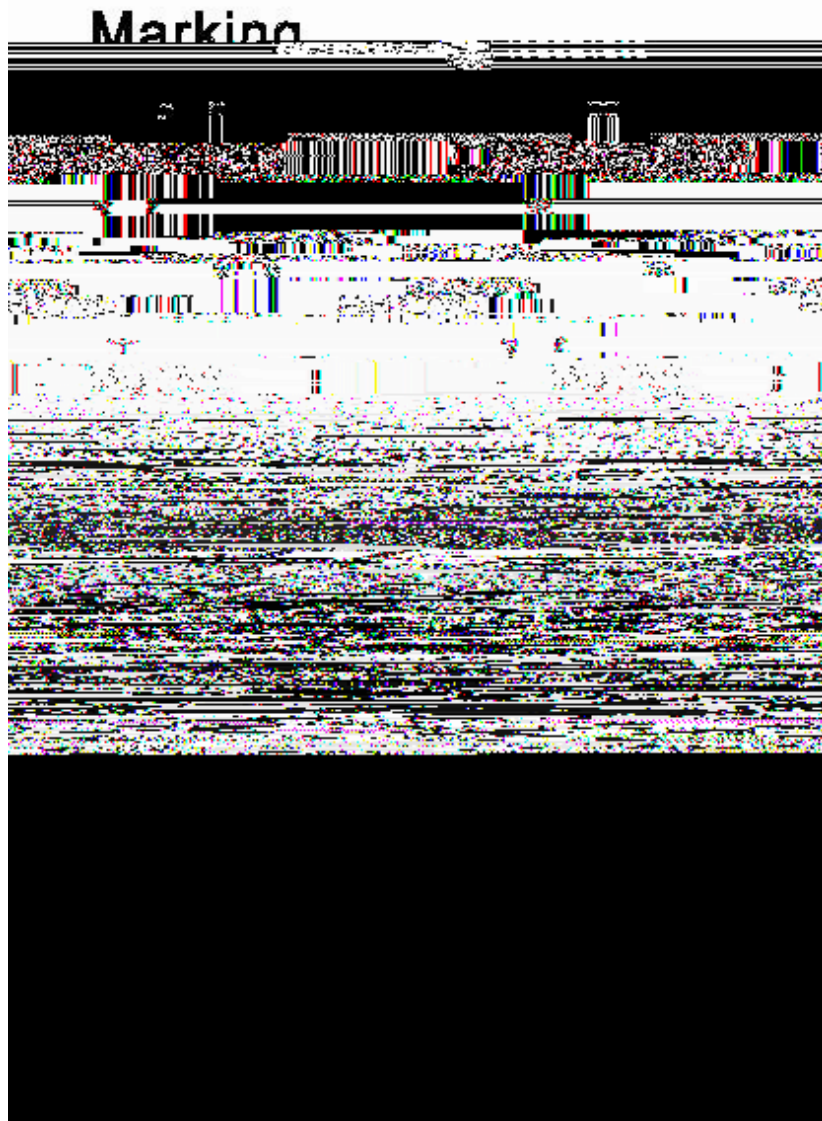
/ Package Dimensions

MBS

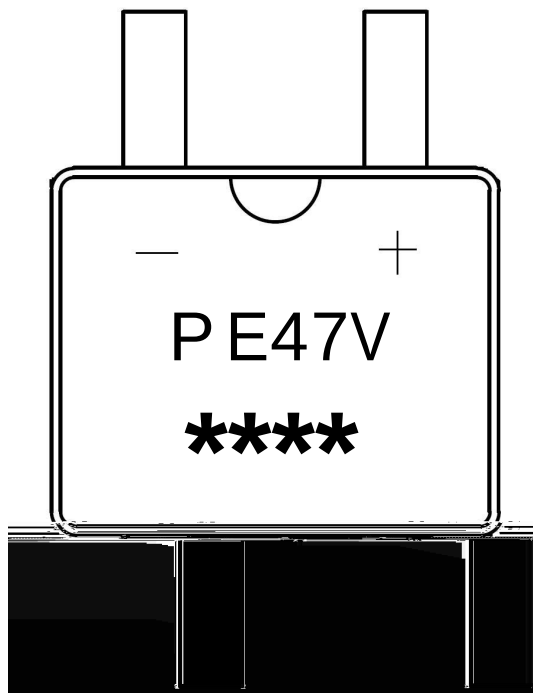




/ Marking Instructions



/ Marking Instructions



符号

PE47V 产品型号

***** 批号 1 4 A 表示 6 A 表示

Note:

PE47V 产品型号

***** 批号 1 4 A 表示 6 A 表示

MB14S~MB120S

Rev.A Dec.-2017



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

() /



℃ X

1. 25~150℃, 60~90sec;

Note:

1.Preheating:25~150℃