/ Descriptions

1.0A ˊ ˍ˚ Ꮟ ⁼ ᵍ ᷈Ꝙ ᄂ ⁷ ı MBS Ṃ Ꮟ
1.0A Surface Mount Schottky Bridge Rectifier, MBS package.

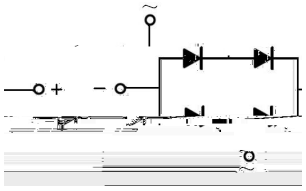
/ Features

ד א ק ל ם ו ר ᵇ כ я χ 73Y¢533Y ı* ᵇ כ ᄂ χ 413D ı ┤ ᄂ כ ᄂ ₂ ı گ ᷈ ˊ ˍ˚ Ꮟ ṇ ꜰ β
Glass Passivated Chip Junction, Reverse Voltage:40to200V, Forward Current:1.0A, High Surge Current Capability, Designed for Surface Mount Application.Halogen free product.

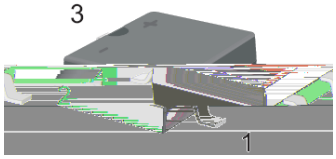
/ Applications

˜ ŕ ں1
General purpose.

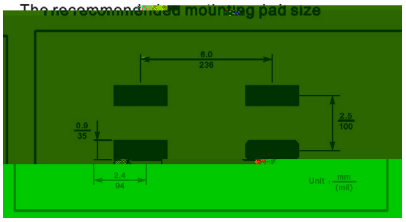
/ Equivalent Circuit



/ Pinning



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

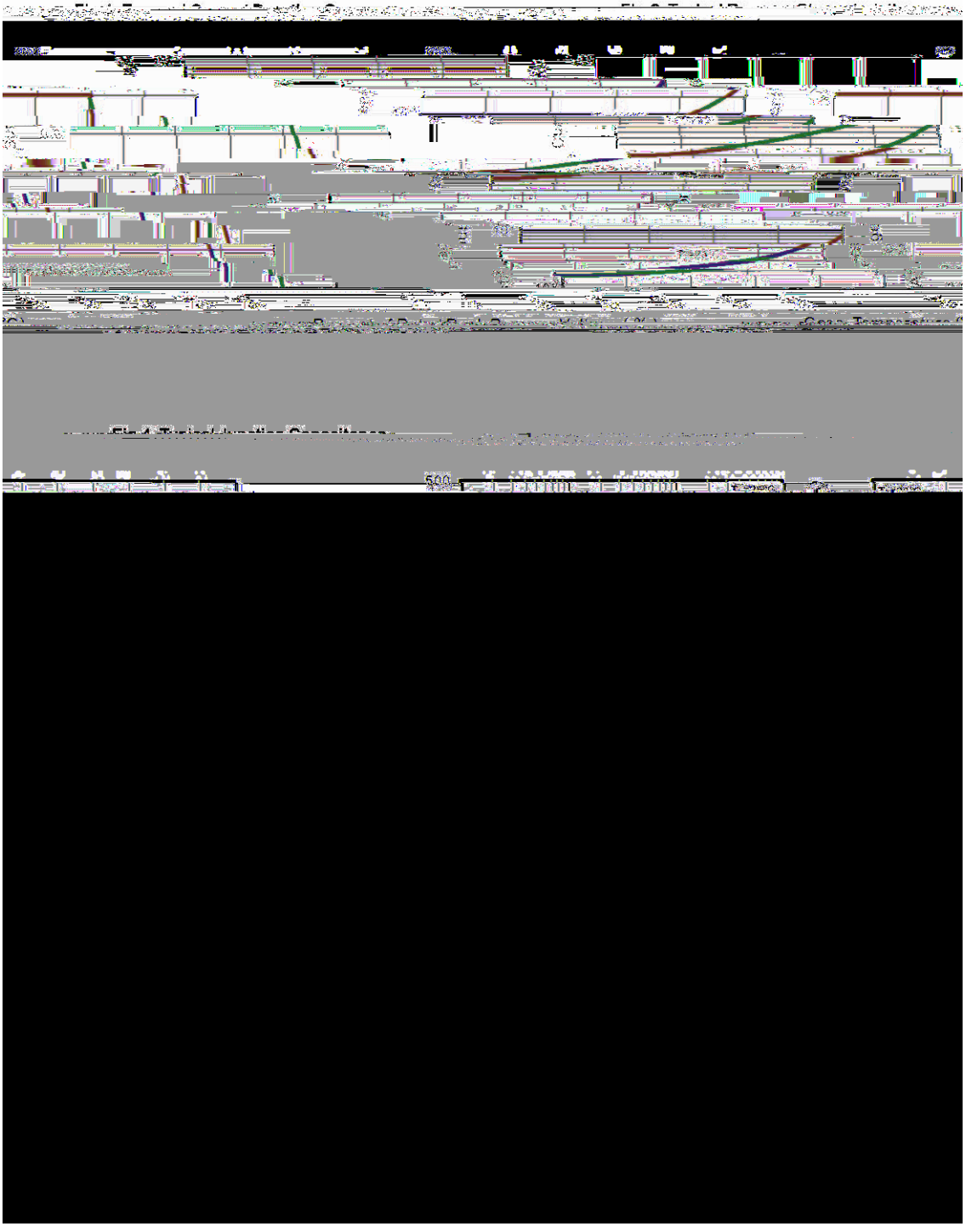


/ Marking

ð м ٦ ب ˝ See Marking Instructions.

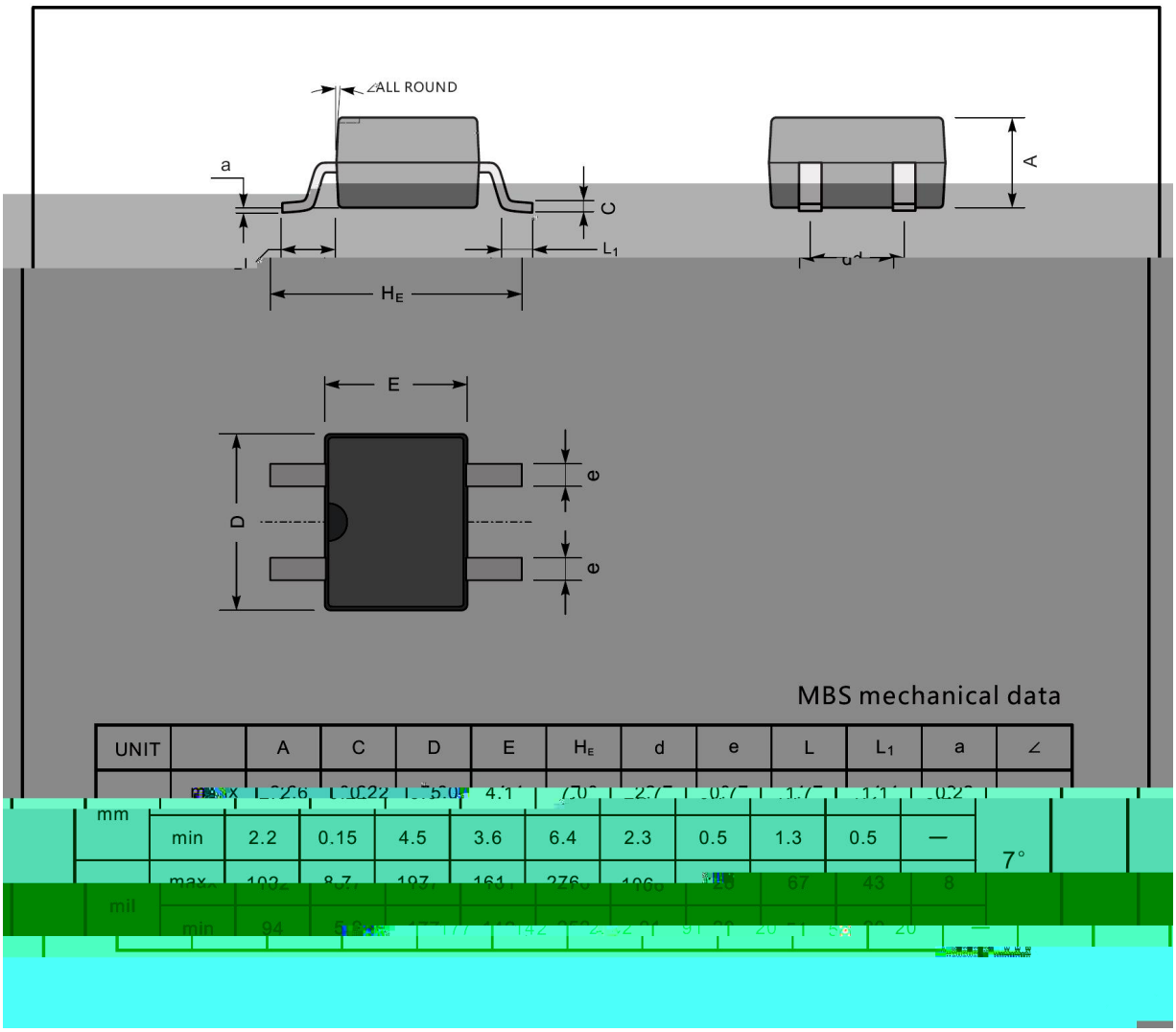
v ‴Ω Parameter	ㄱ N Symbol	‴Ω ë Rating						D Ꮒ Unit
		MB14S	MB16S	MB18S	MB110S	MB115S	MB120S	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	40	60	80	100	150	200	V
Maximum RMS voltage	V_{RMS}	28	42	56	70	105	140	V
Maximum DC Blocking Voltage	V_{DC}	40	60	80	100	150	200	V
Maximum Average Forward Rectified 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 Note1	C_j	110	80					pF
Typical Thermal Resistance Note2	$R_{\theta JA}$	100						/W
Operating Junction Temperature Range	T_j							

/ Electrical Characteristic Curve



/ Package Dimensions

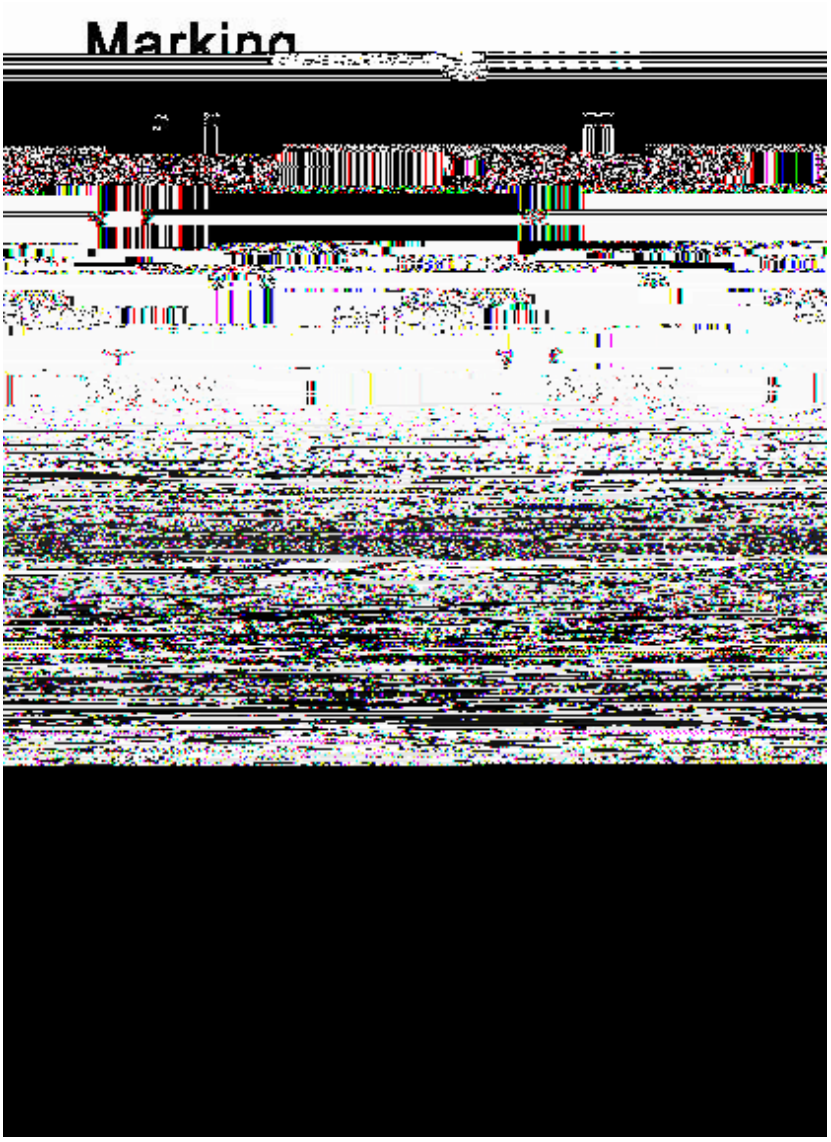
MBS



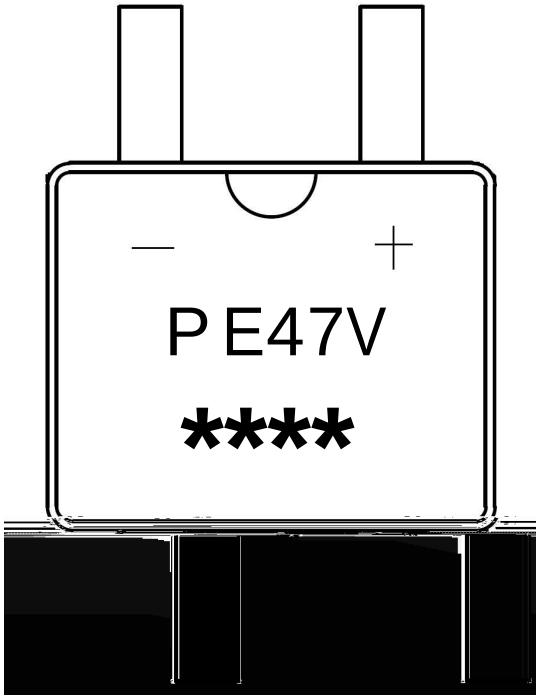
MBS mechanical data

UNIT		A	C	D	E	H_E	d	e	L	L_1	a	∠
mm	min	2.2	0.15	4.5	3.6	6.4	2.3	0.5	1.3	0.5	—	7°
	max	2.6	0.22	5.0	4.1	7.0	2.7	0.7	1.7	1.1	0.2	
mil	min	94	5.9	177	142	252	91	20	51	20	—	
	max	102	8.7	197	161	276	106	28	67	43	8	

/ Marking Instructions



/ Marking Instructions



ب ˝ χ

P E47V χ ѭ ʒ ᴺ Ђ

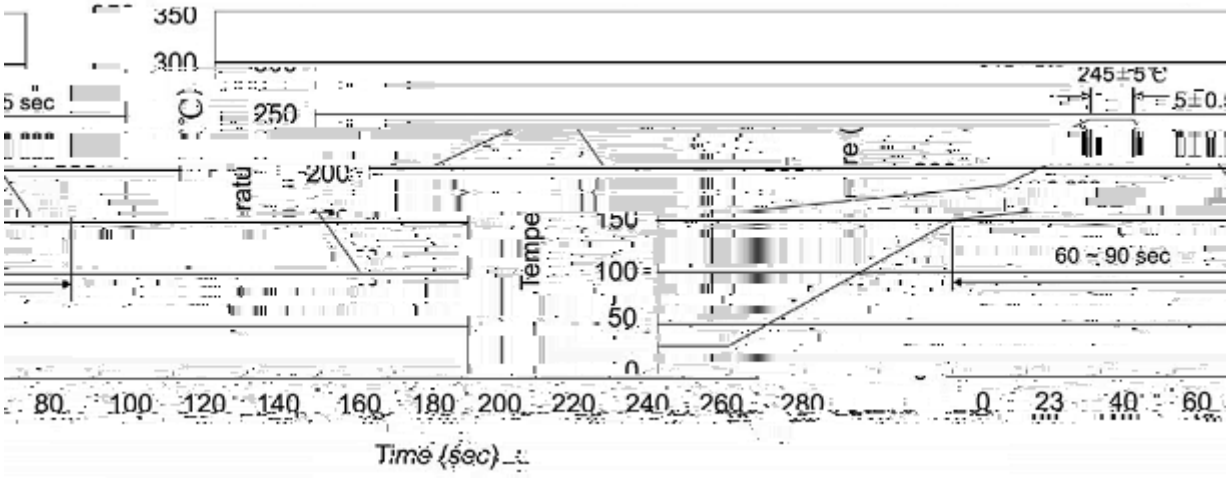
**** χ ѭ ɨ ғ ӈ ᴺ ڳ . ɪ ᵛ 4 Ѧ ѭ ᶣ ώ Ђ ɪ ᵅ ˛ 6 Ѧ ѭ Ẹ ώ ṇ ӈ ᴺ Ђ

Note:

P E47V χ Product Type Code

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

( ) /



ب ˝ χ

1 Ĺ ♬ □ ỷ 25 Ḱ 150 ł ı `H ڑ 60 Ḱ 90sec;

Note:

1.Preheating:25~150 ł