5 é / Descriptions

Ý ½ Ê Ö 8 â ' k F g 9 y < d < k 3 g v y ' k V º 9 3 (, / xož
Surface Mount Superfast Recovery Rectifier,Reverse Voltage:50 to600V,Forward Current:1.0A, SMBF thin package.

¤ ª / Features

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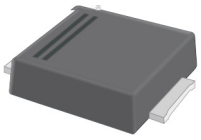
Glass Passivated Chip Jun ction,Fast reverse recovery time,Lead free in comply with EU R oHS 2011/65/EU directives,For surface mounted applications.Halogen free product.

Ð ÷ / Applications

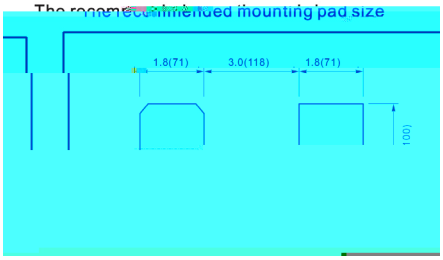
%² " (
General purpose.

Ã W] Ô · / Equivalent Circuit

• Û - æ / Pinning

1  2

PIN	DESCRIPTION
1	Cathode
2	Anode

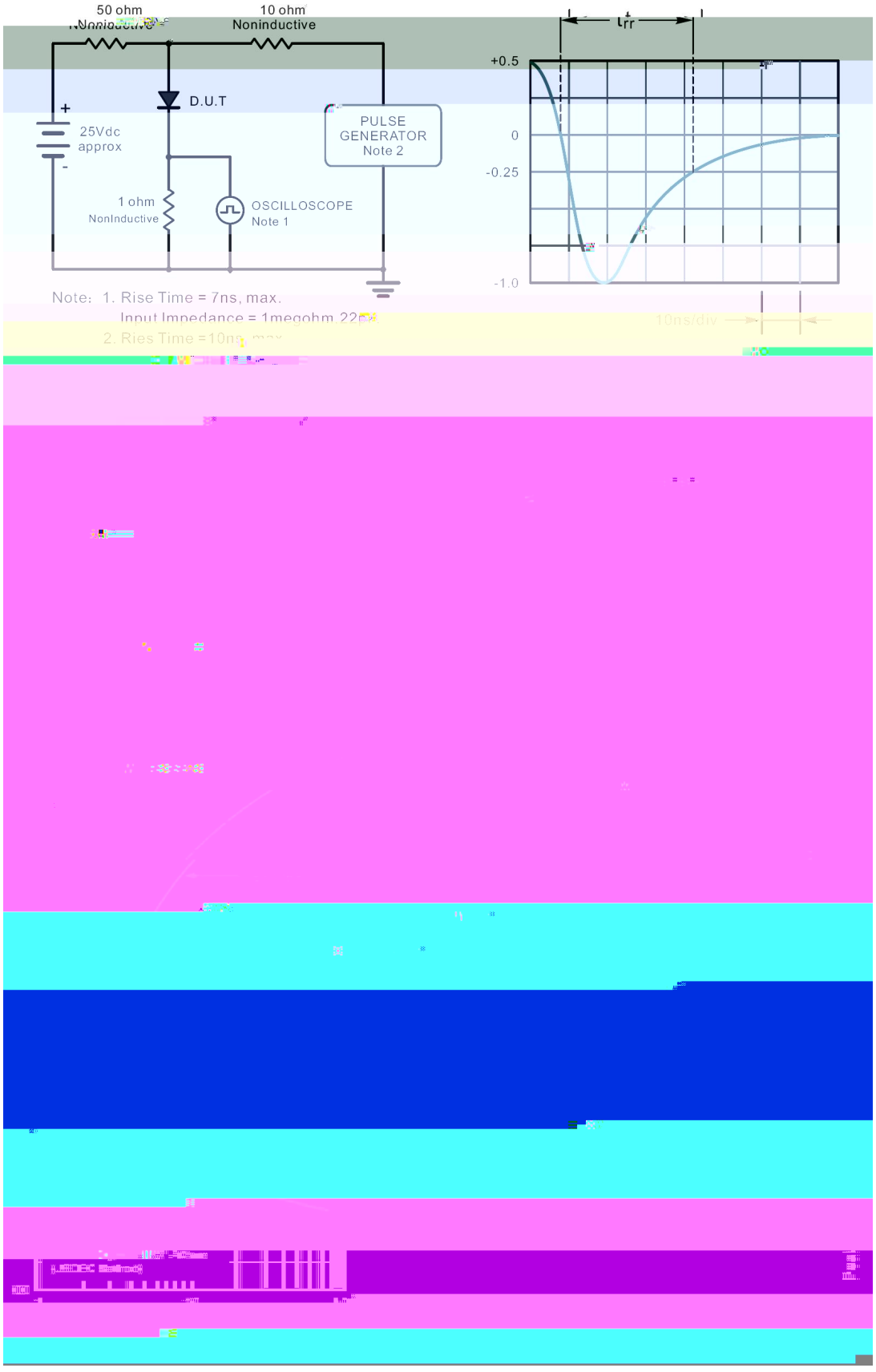


, M V / Marking

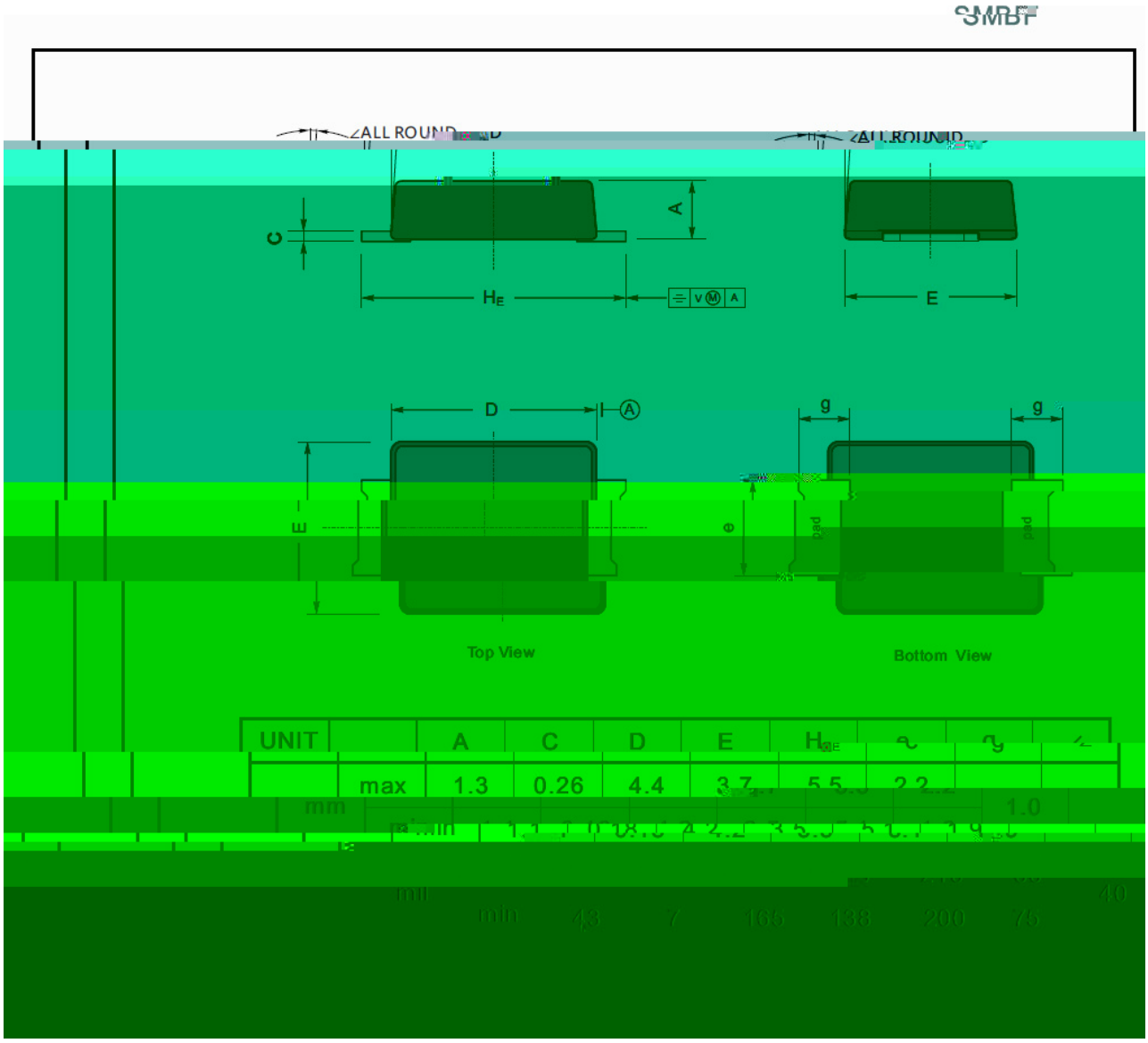
• - ~ ª ¢ož See Marking Instructions

@ *f* Parameter	… Z Symbol	*f* › Rating							% y Unit
		ES1ABF	ES1BBF	ES1CBF	ES1DBF	ES1EBF	ES1GBF	ES1JBF	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	150	200	300	400	600	V
Maximum RMS voltage	V_{RMS}	35	70	105	140	210	280	420	V
Maximum DC Blocking Voltage	V_{DC}	50	100	150	200	300	400	600	V
Maximum Average Forward Rectified Current at T_L= 100	$I_{F\ ÄAV\ Å}$	1.0							A

Ô ? d • Ž ¢ / Electrical Characteristic Curve



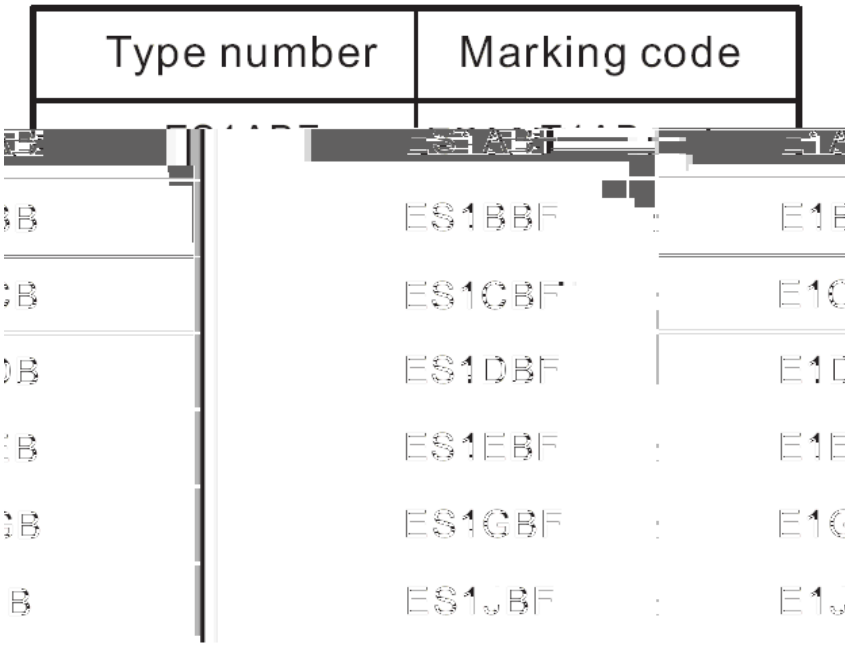
Ø ¤ =) ¢ / Package Dimensions



UNIT		A	C	D	E	H_E	c	g	L
mm	max	1.3	0.26	4.4	3.7	5.5	0.3	2.2	1.0
	min								
mil	min	43	7	166	138	200	75		40

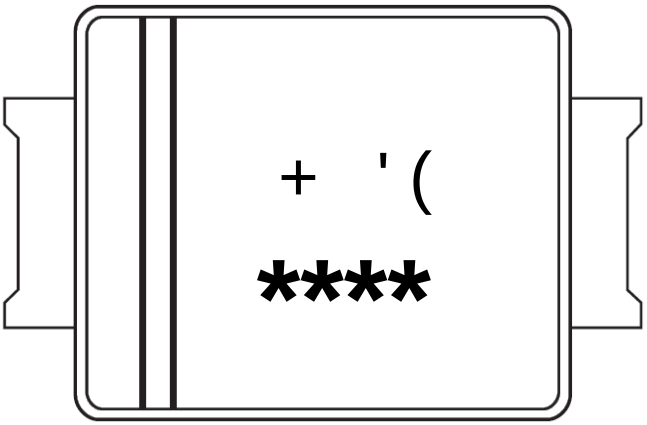
, M y ƒ / Marking Instructions

Marking



Type number	Marking code
[illegible]	[illegible]
[illegible]B	ES1BBF
[illegible]B	ES1CBF
[illegible]B	ES1DBF
[illegible]B	ES1EBF
[illegible]B	ES1GBF
[illegible]B	ES1JBF

, M y ƒ / Marking Instructions



ª ¢ y

E1AB y º Z W A

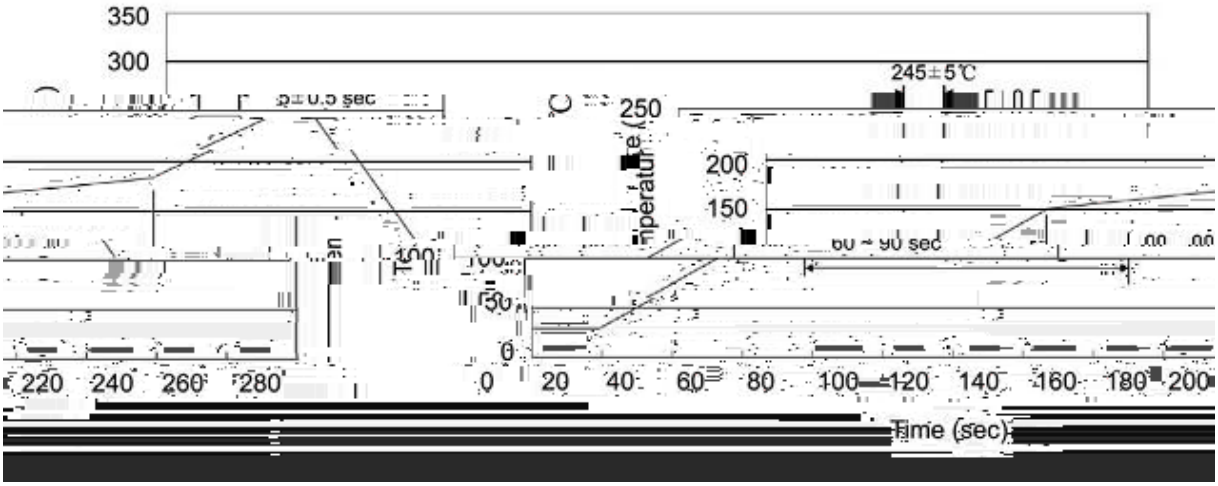
**** y ÿ D Z AÇ A k † 1 * v Ã W A k e µ 3 * ¢ Ã 4 Z W A

Note:

E1AB y Product Type Code

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

š WD t ... • Ž ¢ (x /) / : K S V K X G Z [X K 6 X U L O R K L U X / 8 8 K L R U] 9 U R J K X O T M 6



ª ¢ y

1o• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;

2o• Q › “ † 245 r 5 - k ž • 4 Ò 5 r 0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

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

2.Peak Temp.:245 r 5 - , Duration:5 r 0.5sec.

3.