

n μ É xRK Ô Â ... v 8 â ' k F g 9 y < d < k 3 g v y ' k 9 3 (/ x o ž

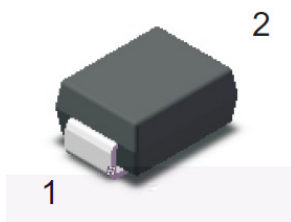
⌘ a / Features

Applications

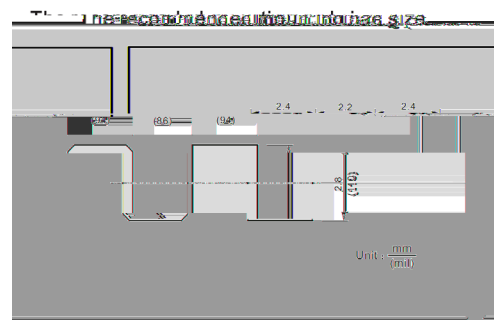
$\tilde{A} \setminus W \cap \hat{O} \cdot \quad / \quad \text{Equivalent Circuit}$



- $\hat{U} - \hat{a}$ / Pinning



PIN	DESCRIPTION
1	Cathode
2	Anode



, M V / Marking

- - ~ ^a ¢ož See Marking Instructions.

Ã a ? d / Absolute Maximum Ratings(Ta=25 ;)

@ f Parameter	... Z Symbol	f > Rating								% y Unit
		SS52B	SS54B	SS56B	SS58B	SS510B	SS512B	SS515B	SS520B	
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	20	40	60	80	100	120	150	200	V
Maximum RMS voltage	V _{RMS}	14	28	42	56	70	84	105	140	V
Maximum DC Blocking Voltage	V _{DC}	20	40	60	80	100	120	150	200	V
Maximum Average Forward Rectified Current	I _{F AAV A}	5.0								A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	150								A
Typical Junction Capacitance ^{(E1)E}	C _j	500		300						pF
Typical Thermal Resistance ^{(E2)E}	R _{JA}	50								/W
Operating and Storage Temperature Range	T _j , T _{stg}	-55~+150								

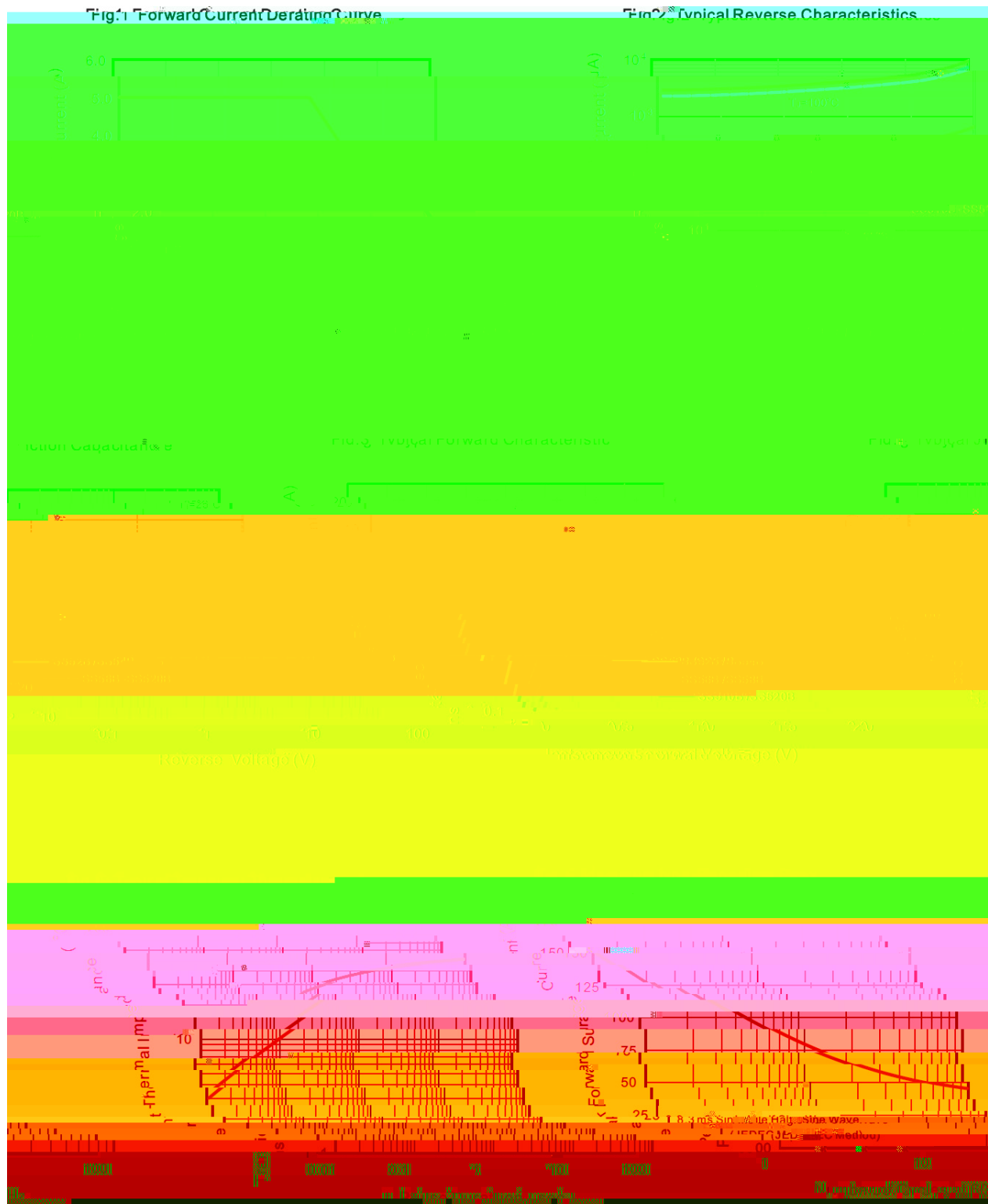
Note:

- 1)E Measured at 1MHz and applied reverse voltage of 4 V D.C.
- 2)E P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.

Ô4ì × ? d / Electrical Characteristics(Ta=25 ;)

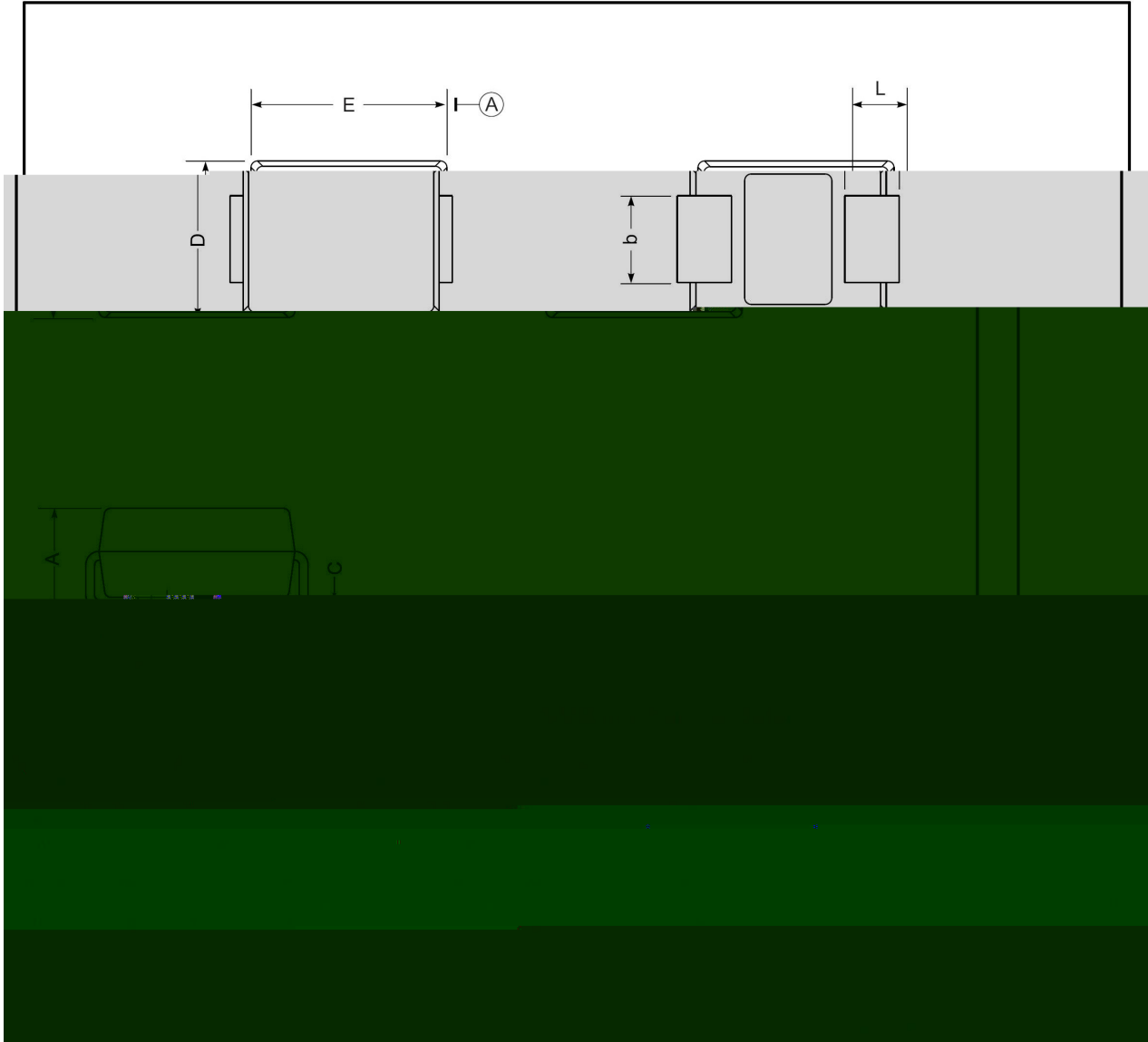
@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	D Rating								% y Unit
			SS52B	SS54B	SS56B	SS58B	SS510B	SS512B	SS515B	SS520B	
Maximum Instantaneous Forward Voltage	V _F	I _F =5.0A	0.55		0.70		0.85				V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	T _a =25	1.0		0.3						mA
		T _a =100	5.0		25						mA

Electrical Characteristic Curve



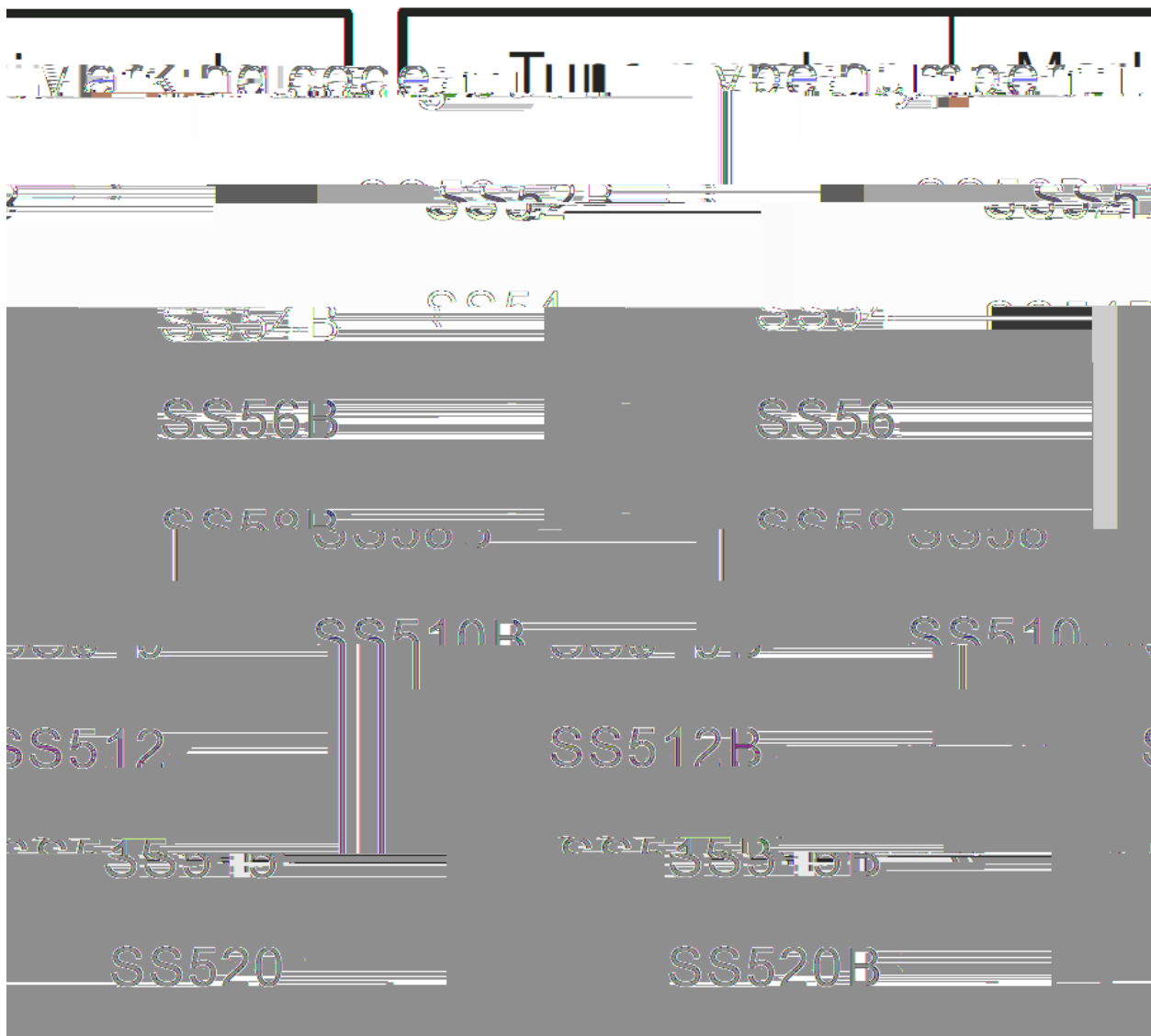
Ø □ =) ⌀ / Package Dimensions

SMB

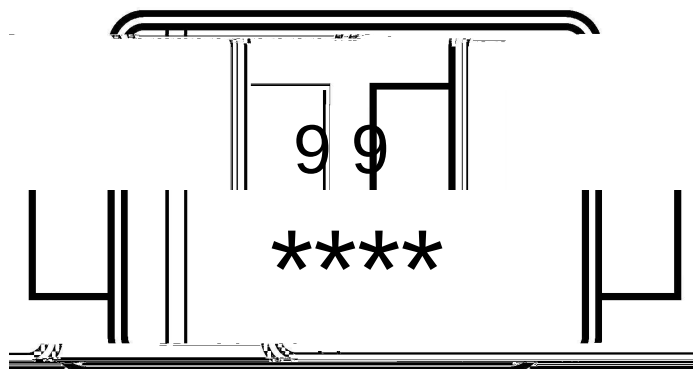


, My f / Marking Instructions

Marking



Marking Instructions



^a 99

99 y ° Z W A

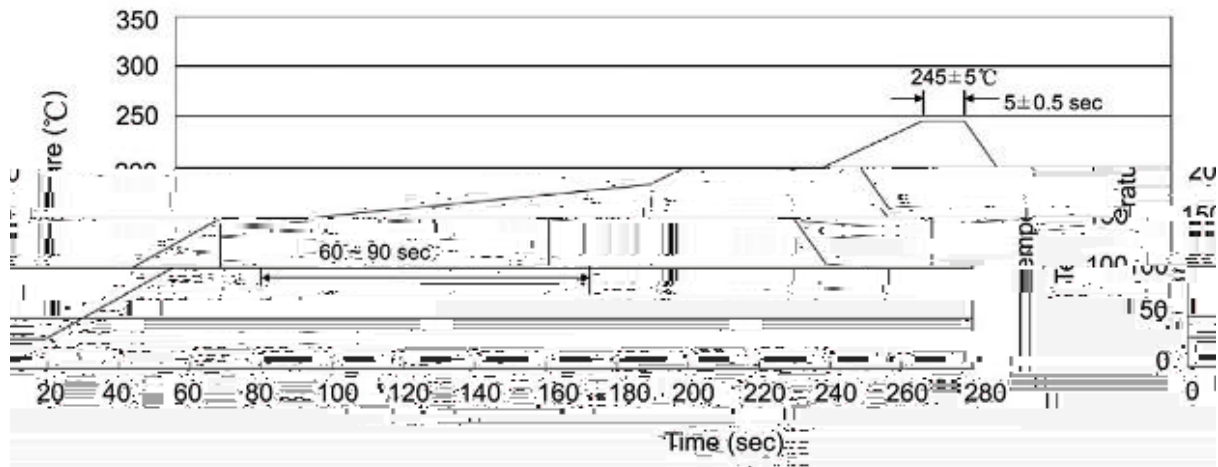
***** y y D Z A Ç A k † v ã W A k e μ ¢ ã 4 Z W A

Note:

99 y Product Type Code

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

šWD t... • Žč (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6



ačy

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

20• Q > “† 245 r5 - k ž • 4 Ò 5 r0.5sec;

30•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

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

2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.

3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] / Resistance to Soldering Heat Test Conditions

“† y 260 r5 -

ž • y 10 r1 sec.

Temp.:260 r5 -

Time:10 r1 sec

G P á / Packaging SPEC.

2 & x / REEL

Package Type
ß m ù ´