

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 ̄	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 ^{1E}	C _j	500		300						pF
Typical Thermal Resistance ^{2E}	R _{JA}	50								/W
Operating and Storage Temperature Range	T _j , T _{stg}	-55~+150								

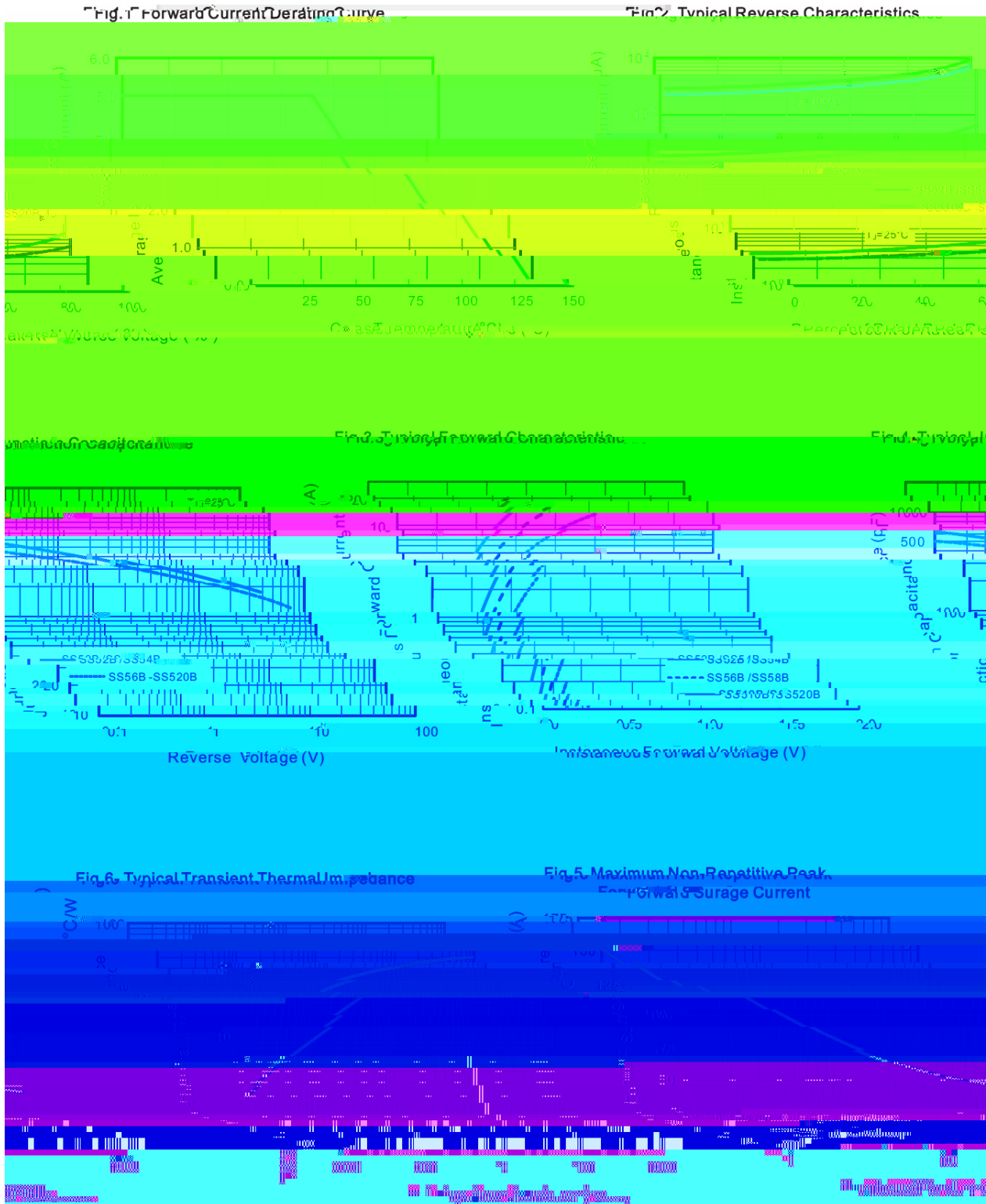
Note:

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

Ô4i x ? d / Electrical Characteristics(Ta=25 ;)

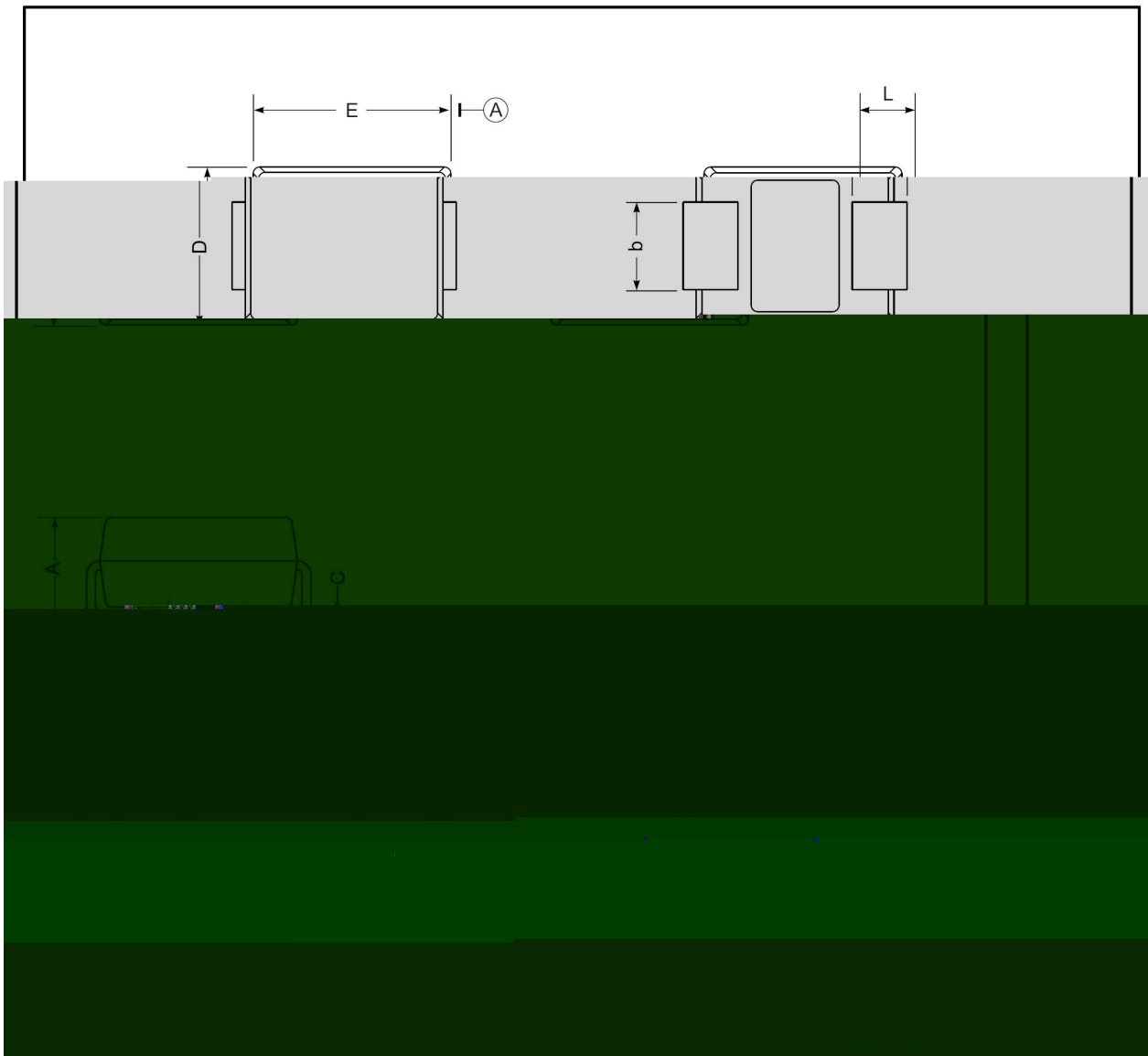
@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	D Rating								% y Unit
			SS52B	SS54B	SS56B	SS58B	SS510B	SS512B	SS515B	SS520B	
Maximum Instantaneous Forward Voltage	V _F	I _F =5.0A	0.55		0.70		0.85			V	
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	T _a =25	1.0		0.3					mA	
		T _a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

Electrical Characteristic Curve



Ø \varnothing =) \varnothing / Package Dimensions

SMB

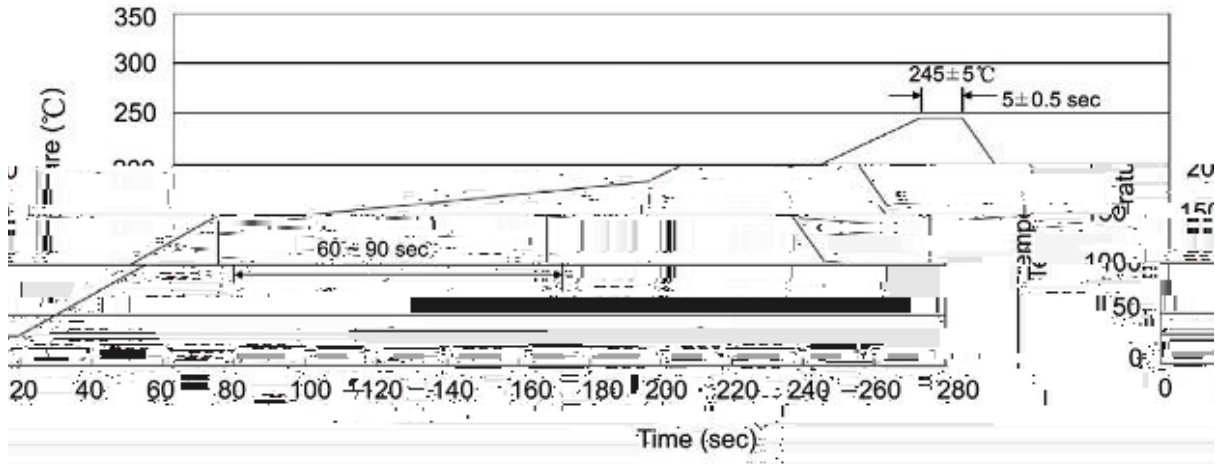


, My f / Marking Instructions

Marking



š WD t... • Ž č (x /) / : KSVKXGZ[XK 6XULORK LUX / 8 8KLRU] 9URJKXOTM 6



1. Preheating

10 • Ä ½ “ † 150 ½ 180 - k ž • 60 ½ 90sec;

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

30 • D N ò i Ò 0 , † 2 ½ 10 - /sec.

Note:

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

2. Peak Temp.: 245 ± 5 °C, Duration: 5 ± 0.5sec.

3. Cooling Speed: 2~10 °C/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