5 é / p

n µ É xRK Ô Â 8 â ’ k F g 9 y < k 3 g v y ' k V º SMBF / xož

Surface Mount Schottky Barrier Rectifier, Reverse Voltage:45V,Forward Current:5.0A,SMBF thin package.

¤ ª / G

z ô k ä | ä k ~ … v Ý k 9 z 9 k ä È y â Å ‘ k 9 n µ É x k —)í D }ož

Low power loss, high efficiency, High forward surge current capability, For use in low voltage, high frequency inverters, and polarity protection applications,For surface mounted applications,HF Product.

Ð ÷ / p

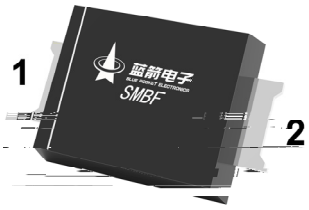
%² " (ož

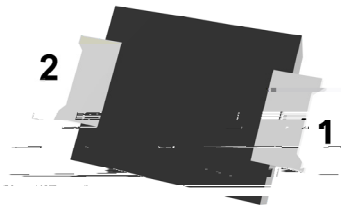
General purpose.

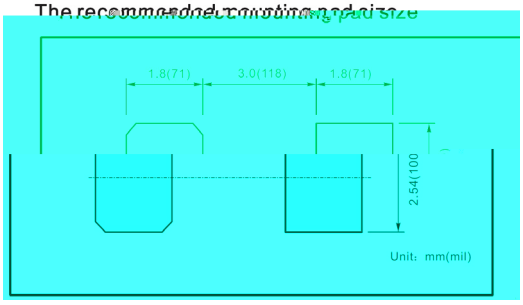
Ã W] Ô · / pC



• Û - æ / pg







PIN	DESCRIPTION
1	Cathode
2	Anode

, M V / pM

• - ~ ª ¢ož

See Marking Instructions.

Ã a ? d / [illegible]

2 Å	R JA	55	/W
Operating Junction Temperature Range	T_j	-55~+125	
Storage Temperature Range	T_{stg}	-55~+150	

Note:

1 å Measured at 1 MHz and applied reverse voltage of 4 V D.C

2 å P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.

Ô4ì × ? d / [illegible] ;)

@ ƒ Parameter	@ ƒ … Z Symbol	y ¡ Ú ^ Test condition	ƒ › Rating	% y Unit
Max Instantaneous Forward Voltage	V_F	I_F=5.0A	0.43	V
Maximum DC Reverse Current at Rated DC Reverse Voltage	I_R	T_j=25	0.5	mA
		T_j =100°C	20	

Ô ? d • Ž ¢ / ■

Fig.1 Forward Current Derating Curve

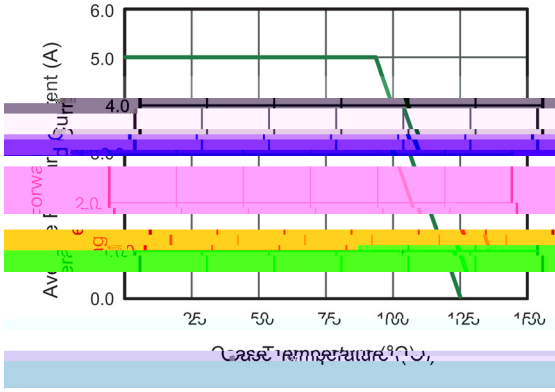


Fig.2 Typical Reverse Characteristics

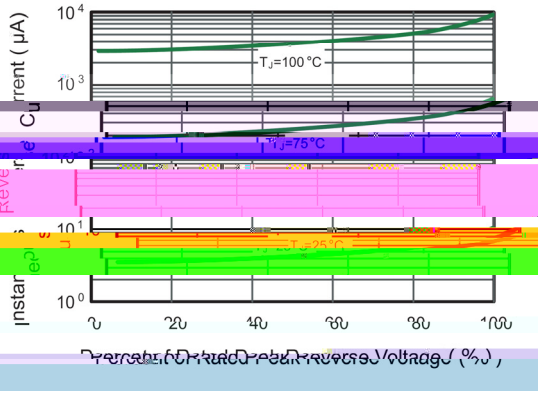


Fig.3 Typical Forward Characteristic

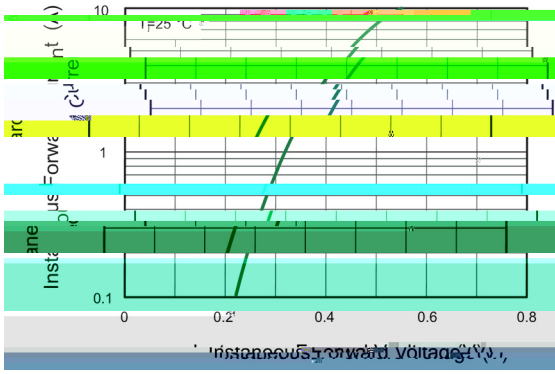


Fig.4 Typical Junction Capacitance

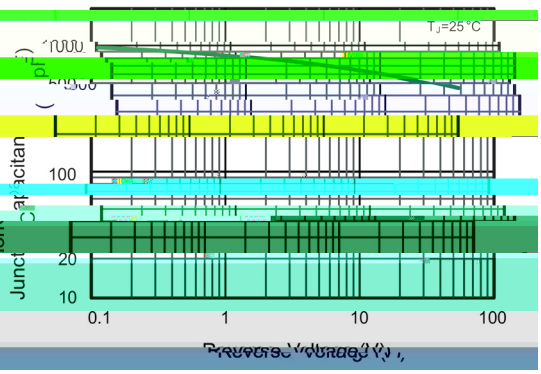
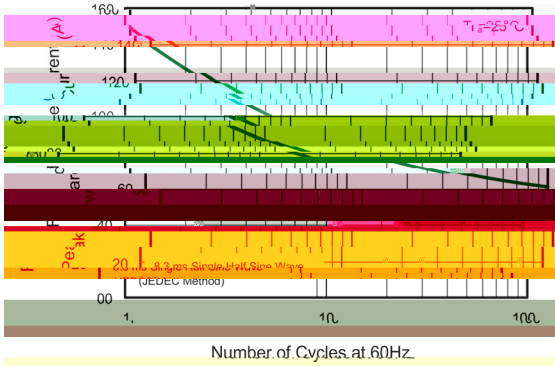
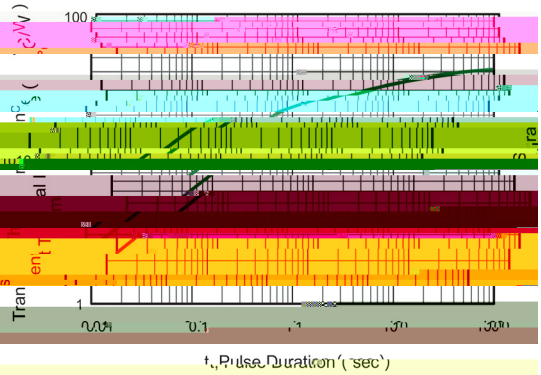


Fig.5 Maximum Non-Repetitive Peak Forward Surage Current

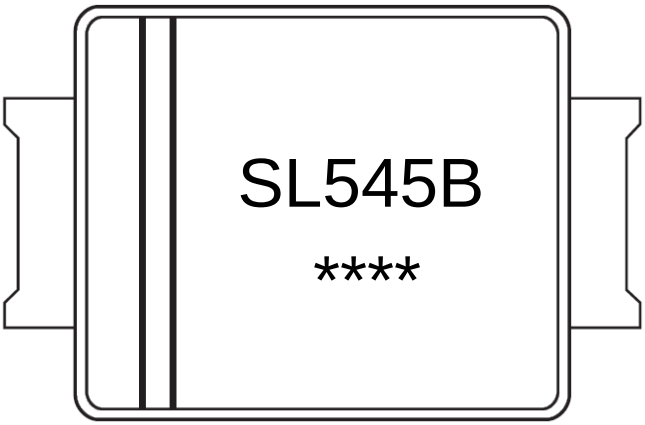


Number of Cycles at 60Hz

Fig.6 Typical Transient Thermal Impedance



t, Pulse Duration (sec)



ª ¢ y

9 2 (y º Z W A

**** y ÿ D Z W A k š ÿ D Z J

Note:

9 2 (y Product Type Code

**** y Lot No. Code, code change with Lot No

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. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] / [illegible]

“ † y 260 r 5 - ž • y 10 r 1 sec. Temp.:260±5 Time:10±1 sec

G P á / [illegible]

2 & x / REEL