Surface Mounted Trench Schottky Barrier Rectifiers

Reverse Voltage - 150 V

Forward Current - 5 A

Pinning

1.Cathode	2.Anode



DO-214AA/SMB

Marking Code	
SSL515B	YFW SSL515

FEATURES

➢ !"#$%&' !#'(#) '#**& $ +,- *.*&% *$ /#01*#%1*2
3"#4 4#0&"&%2 5"#$$%6&'#%&1, 789:;

➢31* $<*6#' 41<,% - #!!"&'#%&1,$

➢=<&"%:&, $%*#&, * "& 6>&- #" 61* #<%14#% - !"#' 4 ,%

➢/1. 61*.*- ?1"%#)

➢@&) 61*.#*- $<*) '<** ,% '#!#0&"&%2

➢@&) % 4! *#%<* $1"- *&,)))<#*#,% -
AB; 5CD; $ '1,-$#%% *4&,#"$

MECHANICAL DATA

➢5#$ E F1"- - !"#$%&' 01-2

➢ *4&,#"$ E G1"- * !"#% ->$1"- *#0" ! * FH/:G I:JK;>F % 1- A;AB

➢L1"#*&%2 E L1"#*&%2 $24 01" 4#*(&,) 1, 01-2

➢F1<,%&,) L1$&%&1, E M,2

➢N &) % E ;0;;PK 1<,' > ;0;7Q)*#4$

Maximum Ratings and Electrical characteristics

Parameter	Symbols	SSL515B	Units
F#R&4<4 S ! %&%? L #(S ? *$ 91"%#)	9_{SSF}	DK;	9
F#R&4<4 SFG?1"%#)	9_{SFG}	D;K	9
F#R&4<4 I5 ="1'(&,) 91"%#)	9_{I5}	DK;	9
F#R&4<4 M? *#) 31*.#*- S '%6& - 5<** ,%#% 'TD;;U5	$H_{(AV)}$	K0;	M
L #(31*.#*- G<*) 5<** ,%>Q0P4$G&,)" @#"6G&, :.#? G<! *&4!1$ - V, S#% - /1#-	H_{3GF}	DK;	M
2!&'#"% *4#"* $&$%#,'	S_{WM} $S_{W/}$	BK DB	U5CN
V! *#%&,)W<,'%&1, 4! *#%<* S#,)	$_{W}$	:KK X YDK;	U5
G%1*#) 4! *#%<* S#,)	$_{STG}$	:KK X YDK;	U5

Z1% E *4#"* $&$%#,' 6*14 [<,'%&1,%&1#40& ,%#,- 6*14 [<,'%&1,%&1" #- 41<,% - 1, L050=0 .&% ;0P\R;0P\]Q0; 44R Q0; 44^'1!! * !#- #* #$

Electrical Characteristics(Ta=25 ℃ unless otherwise specified)

Parameter	Symbols	TYPE	MAX	UNITS
F#R&4<4 &,$%#,%#, 1<$61*.#*- ?1"%#) #%K0;M	9_F	;0JQ	;0QK	9
F#R&4<4 I5 * ? *$ '<** ,% #%*#% - I50"1'(&,)?1"%#)	$_A$TAK 5 $_A$TD;;5	D A	K; A;	M M

Typical Characteristics

FIG. 1- DERATING CURVE OUTPUT RECTIFIED CURRENT

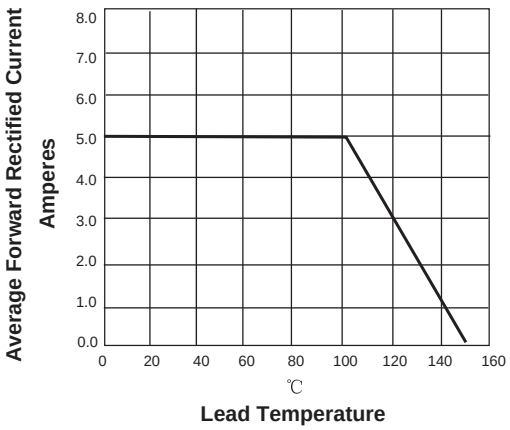


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PERLEG

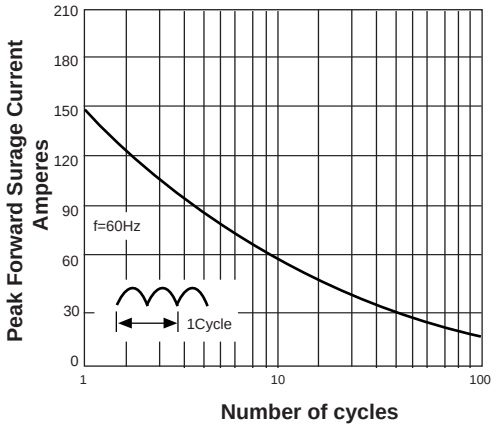


FIG. 3-TYPICAL FORWARD VOLTAGE CHARACTERISTICS

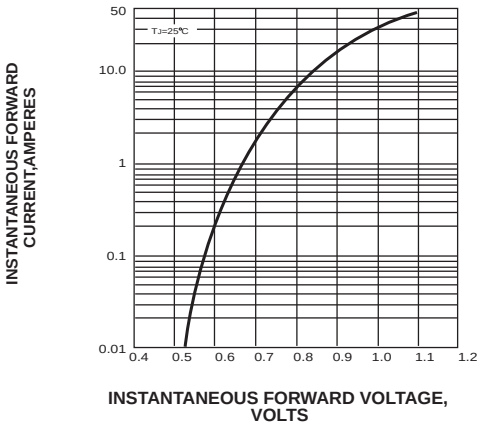
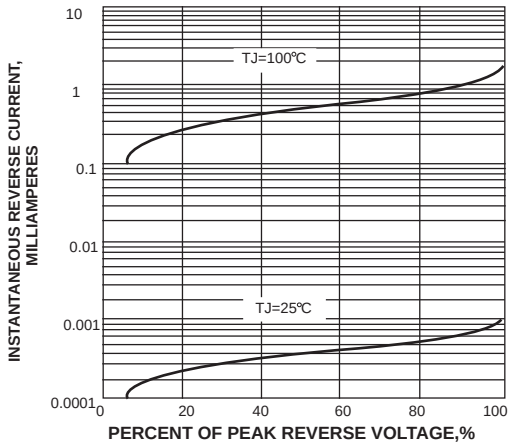
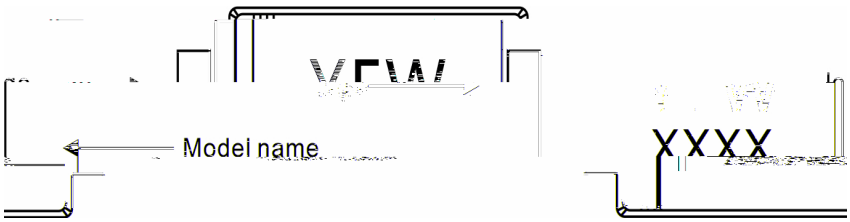


FIG. 4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS



Marking Diagram

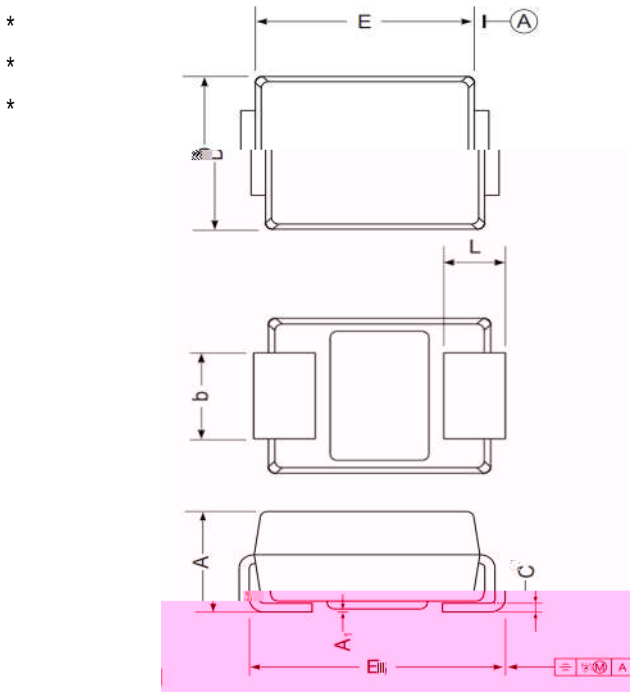


Ordering information

Package	Packing Description	Packing Quantity
DO-214AA SMB	!"#!!%&'()!!$*	'+++,-."#!!$*'++++,-."-)/01*

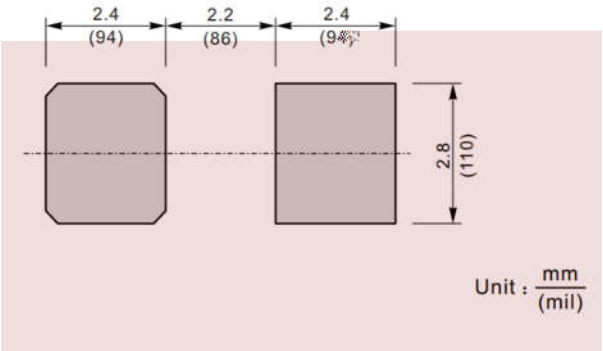
Package Dimensions

DO-214AA SMB



Dim.	Millimeter(mm)		mil	
	Min.*	Max.	Min.	Max.*
2*	34&'*	3455*	65*	78*
9*	54+8*	54:+*	&8+*	&6;*
<**	'4'*	'475*	&'+*	&;;*
9&*	;4+6*	;4;7*	3++*	33+*
2&*	+4+;*	+43+*	34+*	:47*
=*	+46*	&4;*	'3*	;7*
-*	+4&;3*	+4'+;*	8*	&3*
>*	&47*	343*	:;*	6:*

The recommended mounting pad size



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