

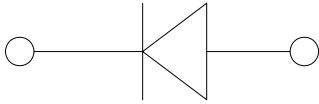
Typical Applications

For use in low voltage high frequency inverters, freewheeling, C/DC converters, and polarity protection applications.

Mechanical Data

Package: SMBF

Molding comMuLc94cV- cvdam



		UNIT	SSL34BF	SSL345BF	SSL36BF	SSL310BF
Device marking code			SSL34BF	SSL345BF	SSL36BF	SSL310BF
Repetitive peak reverse voltage	V_{RRM}	V	40	45	60	100
Average rectified output current @60Hz sine wave, resistance load, TL (FIG.1)	I_o	A	3.0			
Surge(non-repetitive)forward current @60Hz half-sine wave,1 cycle, $T_a=25$	I_{FSM}	A	60			
Storage temperature	T_{stg}		-55 ~+150			
Junction temperature	T_j		-55 ~+150			

Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	SSL34BF	SSL345BF	SSL36BF	SSL310BF
Maximum instantaneous forward voltage drop per diode	V_F	V	$I_{FM}=3.0A$	0.45		0.50	0.60
Maximum DC reverse current at rated DC blocking voltage per diode @ $V_{RM}=V_{RRM}$	I_{RRM}	mA	$T_a=25$	0.5			0.1
			$T_a=100$	10			5

Note1:Pulse test:300uS pulse width,1% duty cycle

Note2:Pulse test:pulse width 40mS



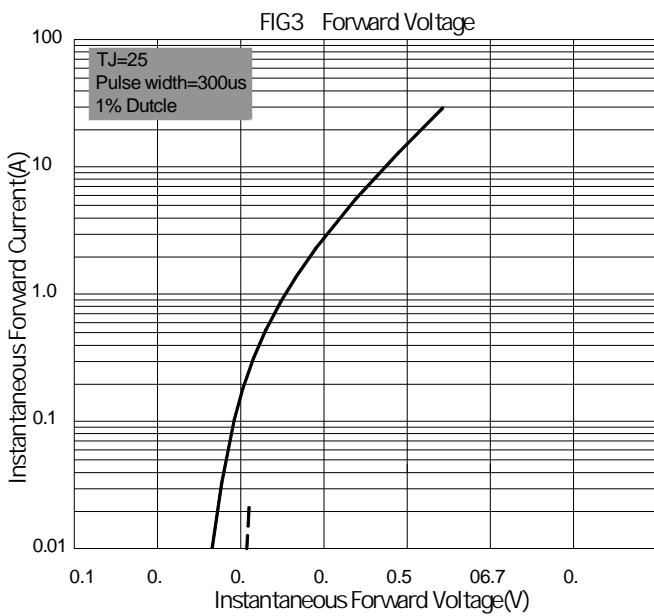
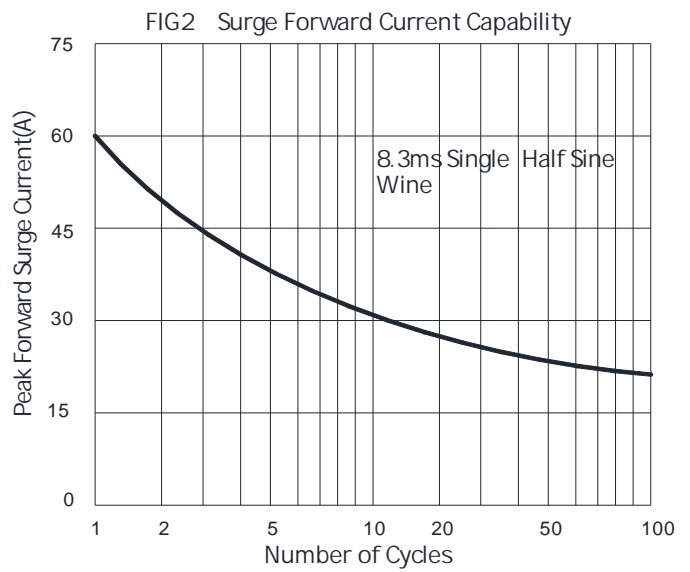
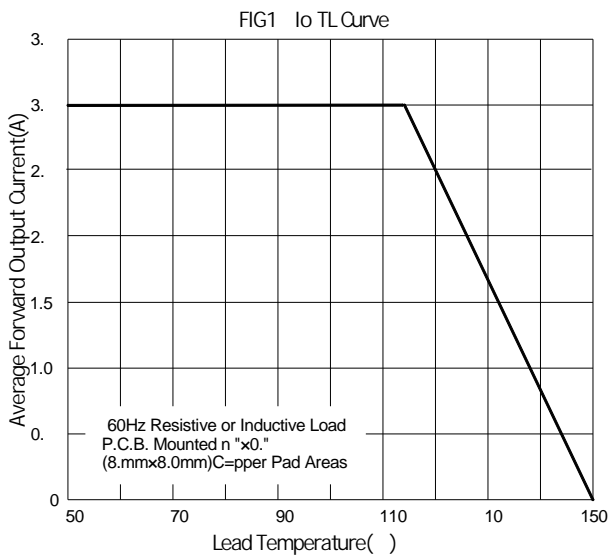
SSL34BF THRU SSL310BF

Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	SSL34BF	SSL345BF	SSL36BF	SSL310BF
Typical Thermal Resistance ⁽¹⁾	R J-A	/W	58			
	R J-L		20			
	R J-C		15			

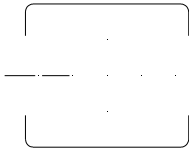
Note:
 (1) Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.3" x 0.3" (8.0 mm x 8.0 mm) copper pad area

Characteristics(Typical)





SMBF



Dimensions in millimeters

