On

SSL24BF SMBF

Surface Mount Schottky Barrier Rectifier

Reverse Voltage - 40 V

Forward Current - 2 A

Pinning

Gbdfrd 69/FAAADD 5 Tf EMC /P EMC /P <</MCID

1.Cathode	2.Anode



SMBF

YFW SL24B

FEATURES

Metal silicon junction, majority carrier conduction
For surface mounted applications
Low power loss, high efficiency
High forward surge current capability
For use in low voltage, high frequency inverters,
free wheeling, and polarity protection applications
Lead free in comply with EU RoHS 2011/65/EU directives

MECHANICAL DATA

Case: SMBF
Terminals: Solderable per MIL-STD-750, Method 2026
Approx. Weight: 57mg /0.002oz

Absolute Maximum Ratings and Electrical characteristics
Ratings at 25 ° ambient temperature unless otherwise specified.Single phase, half wave, 60Hz resistive or inductive load, for capacitive load, derate by 20 %

Parameter	Symbols	SSL24BF	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Maximum RMS voltage	V_{RMS}	28	V
Maximum DC Blocking Voltage	V_{DC}	40	V
Maximum Average Forward Rectified Current	$I_{F(AV)}$	2.0	A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed On Rated Load (JEDEC method)	I_{FSM}	50	A
Maximum Instantaneous Forward Voltage at 2 A	V_F	0.45	V
Maximum Instantaneous Reverse Current T_A = 25°C at Rated DC Reverse Voltage T_A = 100°C	I_R	0.5 10	mA
Typical Junction Capacitance [1]	C_j	290	pF
Typical Thermal Resistance [2]	$R_{\theta JA}$	60	°C/W
Operating Junction Temperature Range	T_j	-55 ~ +1i /S1 gs EMC /P 99.3R7.e 485>BDC 40.072 0 TD[ )]TJEMC -	

Fig.4 Typical Junction Capacitance

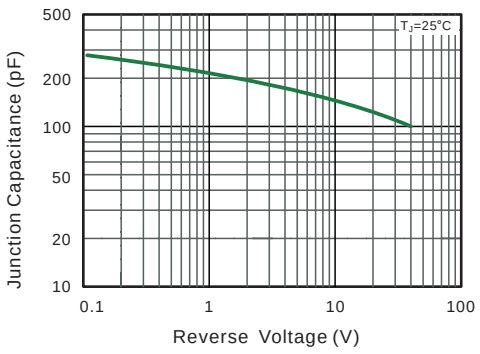
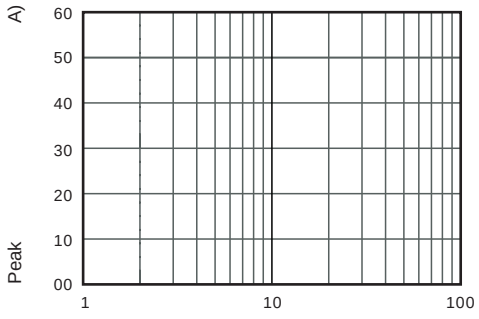


Fig.5 Maximum Non-Repetitive Peak Forward Surage Current



Marking Diagram

Ordering information

Package	Packing Description	Packing Quantity
SMBF	Tape/Reel,13”reel	5000PCS/Reel 50000PCS/Carton

Package Dimensions

SMBF

Millimeter(mm) mil

Dim.

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