BAT54WFL SOD-323FL

SCHOTTKY BARRIER DIODES

Reverse Voltage - 30 V

Forward Current – 0.2 A

Pinning

1.Cathode	2.Anode



SOD-323FL

FEATURES

Metal silicon junction, majority carrier conduction
Guarding for overvoltage protection
Low power loss, high efficiency
High current capability
low forward voltage drop
High surge 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

Marking Code	
BAT54WFL	**L4**

MECHANICAL DATA

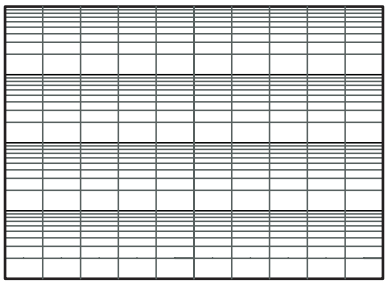
Case: SOD-323FL
Terminals: Solderable per MIL-STD-750, Method 2026
Approx. Weight: 4.5mg /0.00016oz

Maximum Ratings And Electrical Characteristics

Ratings at 25 ° ambient temperature unless otherwise specified.

Parameter	Symbols	BAT54WFL	Units
Peak Repetitive Reverse Voltage	V_{RM}	30	V
Maximum Average Forward Current at Ta=25	I_O	0.2	A
Power dissipation	P_D	500	mW
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed On Rated Load (JEDEC method)	I_{FSM}	13	A
Maximum Instantaneous Forward Voltage	V_F	0.32 @ IF=0.01A 1.0 @ IF=0.1A	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	2.0 @ V_R=25V	uA
Thermal Resistance, Junction to Ambient Air	$R_{\theta JA}$	635	°C/W
Storage and Operating Junction Temperature Range	T_j, T_{stg}	-55 ~ +150	°C

c$



Ordering information

Package	Packing Description	Packing Quantity
SOD-323FL	Tape/Reel,7”reel	3000PCS/Reel 120000PCS/Carton

Package Dimensions

SOD-323FL

Dim.	Millimeter(mm)		mil	
	Min.	Max.	Min.	Max.
A	0.70	0.90	[redacted]	36
B	0.20	0.40	8	16
C	0.			

The information presented in this document is for reference only. GuangDong Youfeng Microelectronics Co.,Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise. The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices),YFW or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale. This publication supersedes & replaces all information previously supplied. For additional information, please visit our website https://www.yfwdiode.com, or consult YFW sales office for further assistance.