Schottky Diode (FH1N5818)

肖特基二极管

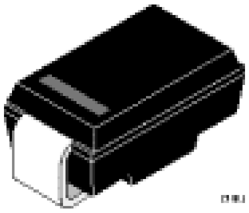
Features 特征:

·Ideal for surface mounted applications

·Low leakage current.

·For use in low voltage, high frequency inverters free wheeling, and polarity protection applications.

DO-214AC



1.0Ampere Schottky Barrier Rectifiers

1.0 安培肖特基势垒整流二极管

Absolute Maximum Ratings* 最大绝对值

T_A=25℃ unless otherwise noted

Symbol 符号	**Parameter 参数**	**Value**	**Unites**
$I_{F(AV)}$	Average Rectified Current 平均整流电流	1.0	A
I_{FSM}	Non-repetitive Peak Forward Surge Current 无重复正向峰值浪涌电流 8.3 ms single half-sine-wave superimposed on rated load	30	A
P_D	Total Device Dissipation 总耗散功率 Derate above 25℃	1.25 12.5	W MW/℃
$R_{\theta JA}$	Thermal Resistance, Junction to Ambient 热阻	20	℃/W
T_{STG}	Storage Temperature Range 储存温度	-65 to +150	℃
T_J	Operating Junction Temperature 工作结温	-65 to +150	℃

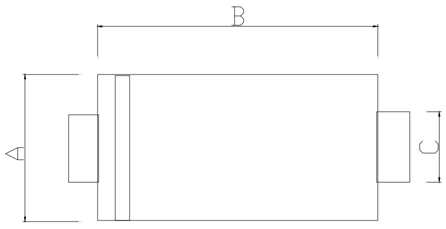
*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

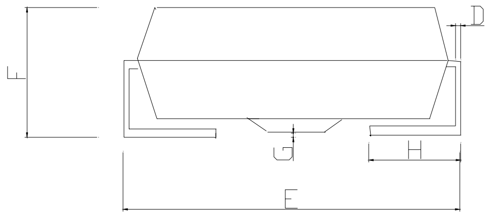
Electrical Characteristics T_A=25℃ unless otherwise noted

Symbol 符号	**Parameter 参数**	**Value**	**Units**
V_{RRM}	Maximum Peak Repetitive Reverse Voltage 最大峰值反向电压	30	V
V_{RMS}	Maximum RMS Voltage	21	V
V_R	DC Reverse Voltage (Rated V_R)反向电压	30	V
I_{RM}	Maximum Instantaneous Reverse Current 最大瞬间反向电流 T_A=25℃@rated V_R $T_{A=}$100℃	0.5 10	mA mA
V_{FM}	Maximum Instantaneous Forward Voltage 最大瞬间正向电压 @1.0A	500	mV
C	Typical Junction capacitance 典型结容	110	pF

DO-214AC Dimensions in INCHES(MILLIMETERS)

DO－214AC 尺寸　英寸（毫米）





	A	B	C	D
MAX	0.110(2.79)	0.177(4.50)	0.075(1.90)	0.012(0.305)
MIN	0.100(2.54)	0.157(3.99)	0.052(1.32)	0.006(0.152)
	E	F	G	H
MAX	0.208(5.28)	0.90(2.29)	0.008(0.203)	0.060(1.52)
MIN	0.194(4.93)	0.078(1.98)	0.004(0.102)	0.030(0.76)