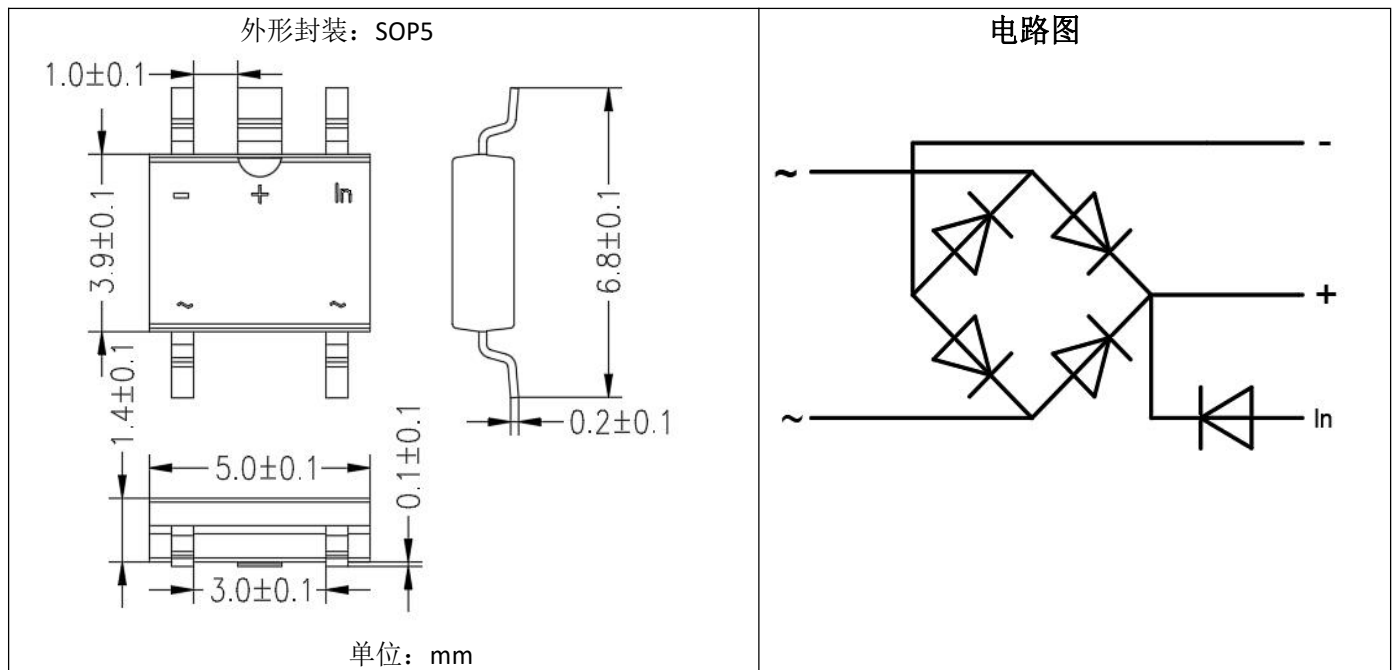




BF10S

SURFACE MOUNT SUPER FAST BRIDGE RECTIFIERS



特征 (整流桥) FEATURES (Bridge)			
极限值和温度特性 (TA=25°C除非另有规定) Ratings at 25°C ambient temperature unless otherwise specified			
参数 Parameters	符号 ymbol	BF10S	Units
最大可重复峰值反向电压 Maximum Recurrent Peak Reverse Voltage	V_{RRM}	1000	Volts
最大正向平均整流电流 Maximum Average Forward Rectified Curren@Ta=40° C	I (AV)	0.6	Amp
正向不重复浪涌电流 8.3ms 单一正弦半波 Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load	I_{FSM}	20	Amp
单位时间内承受的最大电流 I^2t Rating for Fusing (t<8.3ms)	I^2t	1.66	A ² s
最大正向电压 Maximum Forward Voltage at 0.5A DC and 25°C	V_F	1.0	Volts
最大反向电流@VDC Maximum Reverse Current at Ta=25°C	I_R	5.0	uAmp
最大反向电流@VDC Maximum Reverse Current at Ta=125°C		500	
典型结电容 VR=4.0V, f=1MHZ Typical Junction Capacitance	C_J	13	PF
典型热阻 Typical Thermal Resistance	$R_{\theta JA}$	60	°C/W
工作结温和存储温度 Operating and Storage Temperature Range	T_j, T_{stg}	-55 to +150	°C
特征 (二极管) FEATURES (DiOde)			
最大正向电压 Maximum Forward Voltage at 0.5A DC and 25°C	V_F	1.7	Volts
反向回复时间 Maximum reverse recovery time	t_{rr}	35	ns
最大可重复峰值反向电压 Maximum Recurrent Peak Reverse Voltage	V_{RRM}	600	Volts
最大正向平均整流电流 Maximum Average Forward Rectified Curren@Ta=40° C	I (AV)	0.6	Amp

