

8N50

主要参数

Main Characteristics

I _D	8A
V _{DSS}	500 V
R _{dson-typ}	0.72Ω

用途

高频开关电源
不间断电源

Applications

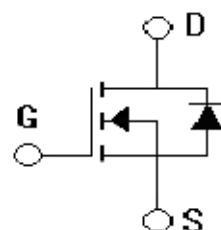
High frequency switching
UPS

产品特性

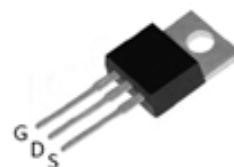
产品全部经过雪崩测试
RoHS 产品

Features

100% avalanche tested
RoHS product



TO-220



绝对最大额定值 **Absolute Ratings** (Tc=25℃)

项 目 Parameter	符 号 Symbol	数 值 Value	单位 Unit
最高漏极-源极直流电压 Drain-Source Voltage	V _{DSS}	500	V
连续漏极电流 Drain Current -continuous	I _D	8	A
最高栅源电压 Gate-Source Voltage	V _{GSS}	±30	V
最高结温 Operating Junction Temperature	T _J	+150	℃
存储温度 Storage Temperature Range	T _{STG}	-55~+150	℃
引线最高焊接温度 Maximum Lead Temperature for Soldering Purposes	T _L	300	℃

*漏极电流由最高结温限制

*Drain current limited by maximum junction temperature

电特性 Electrical Characteristics

项 目 Parameter	符 号 Symbol	测试条件 Tests conditions	最小 Min	典型 Typ	最大 Max	单位 Units
关态特性 Off –Characteristics						
漏—源击穿电压 Drain-Source Voltage	BV _{DSS}	I _D =250μA, V _{GS} =0V	500	-	-	V
零栅压下漏极漏电流 Zero Gate Voltage Drain Current	I _{DSS}	V _{DS} =500V, V _{GS} =0V, T _C =25°C	—	-	5	μA
正向栅极体漏电流 Forward Gate-body leakage current	I _{GSSF}	V _{DS} =0V, V _{GS} =+30V	-	-	100	nA
反向栅极体漏电流 Reverse Gate-body leakage current	I _{GSSR}	V _{DS} =0V, V _{GS} =-30V	-	-	-100	nA
通态特性 On-Characteristics						
阈值电压 Gate Threshold Voltage	V _{GS(th)}	V _{DS} = V _{GS} , I _D =250μA	2.0	3.2	4.0	V
静态导通电阻 Static Drain-Source On-Resistance	R _{DS(ON)}	V _{GS} =10V , I _D =4A	-	0.72	0.9	Ω
漏—源二极管特性及最大额定值 Drain-Source Diode Characteristics and Maximum Ratings						
正向压降 Drain-Source Diode Forward	V _{FSD}	V _{GS} =0V, I _S =4A	-	-	1.4	V

外形尺寸 PACKAGE MECHANICAL DATA

TO-220

