

用途:用于高效 DC/DC 转换和功率开关。

Purpose: These devices are well suited for high efficiency switching DC/DC converters and switch mode power supplies.

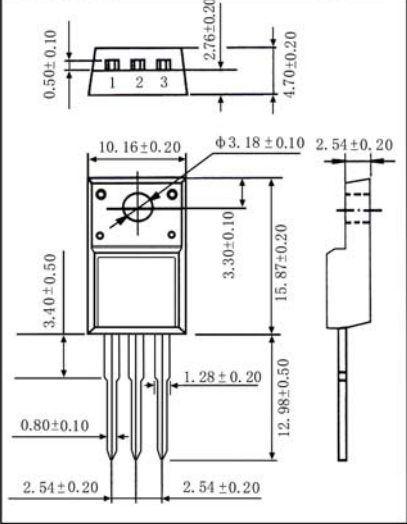
特点：低栅电荷, 低反馈电容, 开关速度快。

Features: Low gate charge, low crss, fast switching.

极限参数/Absolute maximum ratings(Ta=25℃)

参数符号 Symbol	数值 Rating	单位 Unit
V _{DSS}	650	V
I _D (T _C =25℃)	7.5	A
I _D (T _C =100℃)	4.6	A
I _{DM}	30	A
V _{GSS}	±30	V
E _{AS}	230	mJ
E _{AR}	10	mJ
I _{AR}	7.5	A
P _D (T _C =25℃)	48	W
T _J , T _{STG}	-55 to 150	℃

T0-220FL 单位:mm



引脚： 1.G 2.D 3.S

电性能参数/Electrical Characteristics(Ta=25℃)

参数符号 Symbol	测试条件 Test Conditions	最小值 Min	典型值 Typ	最大值 Max	单位 Unit
BV _{DSS}	V _{GS} =0V I _D =250 μ A	650			V
I _{DSS}	V _{DS} =650V V _{GS} =0V			1.0	μ A
	V _{DS} =480V T _C =125℃			10	μ A
I _{GSS}	V _{GS} =±30V V _{DS} =0V			±0.1	μ A
V _{GS(th)}	V _{DS} =V _{GS} I _D =250 μ A	2.0		4.0	V
R _{DS(on)}	V _{GS} =10V I _D =3.75A		1.0	1.4	Ω
g _{FS}	V _{DS} =40V I _D =3.75A		8.7		S
V _{SD}	V _{GS} =0V I _S =7.5A			1.4	V
C _{iss}	V _{DS} =25V V _{GS} =0V f=1.0MHz		965	1255	pF
C _{oss}			105	135	
C _{rss}			12	16	
t _{d(on)}	V _{DD} =300V I _D =7.5A R _G =25 Ω		16.5	45	ns
t _r			60.5	130	
t _{d(off)}			81	170	
t _f			64.5	140	

