

用途: 触摸屏, 交换开关。

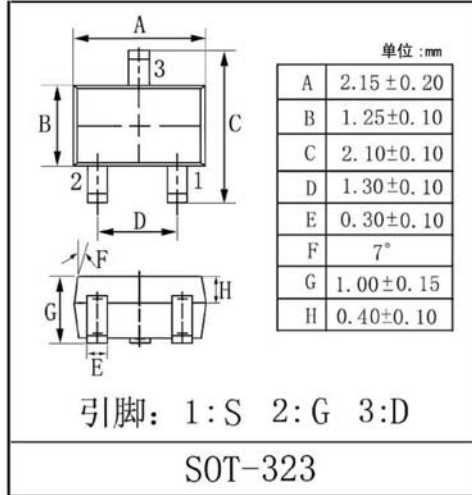
Purpose: Interfacing, switching.

特点: 低导通电阻, 开关速度快, 低电压驱动, 简化驱动电路和简便平面。

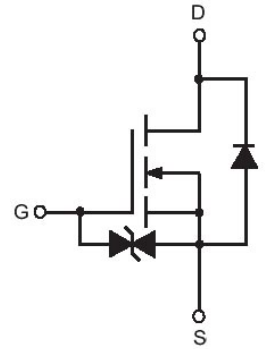
Features: Low on-resistance, fast switching speed, low voltage drive, easily designed drive circuits, easy to parallel.

极限参数/Absolute maximum ratings (Ta=25°C)

参数符号 Symbol	数值 Rating	单位 Unit
V _{DSS}	30	V
V _{GSS}	±20	V
I _D	100	mA
I _{DP} ^{*1}	200	mA
I _{DR}	100	mA
I _{DRP} ^{*1}	200	mA
P _D ^{*2}	200	mW
T _{ch}	150	°C
T _{stg}	-55~150	°C



等效电路图



*1: Pw ≤ 10 μs, Duty cycle ≤ 50%

*2: With each pin mounted on the recommended lands

电性能参数/Electrical characteristics (Ta=25°C)

参数符号 Symbol	测试条件 Test condition	数值 Rating			单位 Unit
		最小值 Min	典型值 Typ	最大值 Max	
V _{(BR)DSS}	V _{GS} =0V I _D =10 μA	30			V
V _{GS(th)}	V _{DS} =3.0V I _D =100 μA	0.8		1.5	V
R _{DS(on)1}	V _{GS} =4.0V I _D =10mA		5.0	8.0	Ω
R _{DS(on)2}	V _{GS} =2.5V I _D =1.0mA		7.0	13	Ω
I _{DSS}	V _{DS} =30V V _{GS} =0V			1.0	μA
I _{GSS}	V _{GS} =±20V V _{DS} =0V			±1	μA
g _{FS}	V _{DS} =3V I _D =10mA	20			mS
C _{iss}	V _{DS} =5.0V V _{GS} =0V f=1.0MHz		13		pF
C _{oss}			9.0		
C _{rss}			4.0		
t _{d(on)}	I _D =10mA V _{DD} ≈5.0V V _{GS} =5.0V R _L =500Ω R _{GS} =10Ω		15		ns
t _r			35		
t _{d(off)}			80		
t _r			80		

印章/Marking: KN

2SK3018W (CS3018W)

