

2SK2419

External dimensions 1 FM20

Absolute Maximum Ratings (Ta = 25°C)

Symbol	Ratings	Unit
V _{DSS}	60	V
V _{GSS}	±20	V
I _D	±22	A
I _{D (pulse)} *	±88	A
P _D	30 (Tc = 25°C)	W
E _{AS}		mJ
T _{ch}	150	°C
T _{stg}	-55 to +150	°C

*: P_w ≤ 100μs, duty cycle ≤ 1%

Electrical Characteristics (Ta = 25°C)

Symbol	Ratings			Unit	Conditions
	min	typ	max		
V _{(BR) DSS}	60			V	I _D = 100μA, V _{GS} = 0V
I _{GSS}			±100	nA	V _{GS} = ±20V
I _{DSS}			100	μA	V _{DS} = 60V, V _{GS} = 0V
V _{TH}	2.0		4.0	V	V _{DS} = 10V, I _D = 250μA
R _{e (yfs)}				S	V _{DS} = 10V, I _D = 12A
R _{DS (on)}			37	mΩ	V _{GS} = 10V, I _D = 12A
C _{iss}		1300		pF	V _{DS} = 25V, f = 1.0MHz, V _{GS} = 0V
C _{oss}				pF	
t _{on}				ns	I _D = 12A, V _{DD} ≈ 30V, V _{GS} = 10V
t _{off}				ns	