

2SK2208

External dimensions 2 FM100

Absolute Maximum Ratings (Ta = 25°C)

Symbol	Ratings	Unit
V _{DSS}	900	V
V _{GSS}	±30	V
I _D	±5	A
I _D (pulse) *1	±20	A
P _D	75 (T _c = 25°C)	W
E _{AS} *2	400	mJ
I _{AS}	5	A
T _{ch}	150	°C
T _{stg}	-55 to +150	°C

*1: P_w ≤ 100μs, duty cycle ≤ 1%
 *2: V_{DD} = 50V, L = 30mH, I_L = 5A, unclamped, R_G = 50Ω,
 See Figure 1 on Page 5.

Electrical Characteristics (Ta = 25°C)

Symbol	Ratings			Unit	Conditions
	min	typ	max		
V _{(BR) DSS}	900			V	I _D = 100μA, V _{GS} = 0V
I _{GSS}			±100	nA	V _{GS} = ±30V
I _{DSS}			100	μA	V _{DS} = 900V, V _{GS} = 0V
V _{TH}	2.0	3.0	4.0	V	V _{DS} = 10V, I _D = 1mA
Re (yfs)	2.0	3.0		S	V _{DS} = 20V, I _D = 2.5A
R _{DS (on)}		2.5	3.0	Ω	V _{GS} = 10V, I _D = 2.5A
C _{iss}		1000		pF	V _{DS} = 10V, f = 1.0MHz, V _{GS} = 0V
C _{oss}		190		pF	
C _{rss}		90		pF	
t _{on}		60		ns	I _D = 2.5A, V _{DD} = 250V, R _L = 100Ω, V _{GS} = 10V, See Figure 2 on Page 5.
t _{off}		155		ns	

