

2SJ425

External dimensions 1 FM20

Absolute Maximum Ratings (Ta = 25°C)

Symbol	Ratings	Unit
V _{DSS}	-60	V
V _{GSS}	±20	V
I _D	±8	A
I _D (pulse)	±32 (T _{ch} ≤ 150°C)	A
P _D	30 (T _c = 25°C)	W
T _{ch}	150	°C
T _{stg}	-55 to +150	°C

Electrical Characteristics (Ta = 25°C)

Symbol	Ratings			Unit	Conditions
	min	typ	max		
V _{(BR) DSS}	-60			V	I _D = -250μA, V _{GS} = 0V
I _{GSS}			±500	nA	V _{GS} = ±20V
I _{DSS}			-250	μA	V _{DS} = -60V, V _{GS} = 0V
V _{TH}	-2.0		-4.0	V	V _{DS} = -10V, I _D = -250μA
Re (yfs)	1.8	2.8		S	V _{DS} = -10V, I _D = -4.0A
R _{DS (on)}		0.2	0.28	Ω	V _{GS} = -10V, I _D = -4.0A
C _{iss}		580		pF	V _{DS} = -25V, f = 1.0MHz, V _{GS} = 0V
C _{oss}		360		pF	V _{DS} = -25V, f = 1.0MHz, V _{GS} = 0V
t _{on}		90		ns	I _D = -4.0A, V _{DD} = -30V, V _{GS} = -10V, See Figure 3 on Page 5.
t _{off}		45		ns	I _D = -4.0A, V _{DD} = -30V, V _{GS} = -10V, See Figure 3 on Page 5.

