

2SJ424

External dimensions 1 FM20

Absolute Maximum Ratings (Ta = 25°C)

Symbol	Ratings	Unit
V _{DSS}	-60	V
V _{GSS}	±20	V
I _D	±5	A
I _D (pulse)	±20 (T _{ch} ≤ 150°C)	A
P _D	25 (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)	1.0	1.6		S	V _{DS} = -10V, I _D = -2.5A
R _{DS} (on)		0.35	0.5	Ω	V _{GS} = -10V, I _D = -2.5A
C _{iss}		270		pF	V _{DS} = -25V, f = 1.0MHz, V _{GS} = 0V
C _{oss}		170		pF	
t _{on}		75		ns	I _D = -2.5A, V _{DD} = -30V, V _{GS} = -10V, See Figure 3 on Page 5.
t _{off}		35		ns	