2SJ425

External dimensions 1 ..... FM20

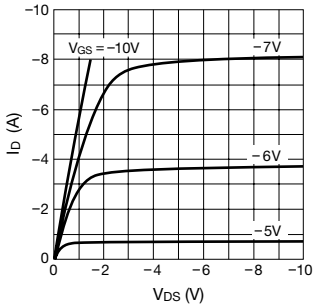
Absolute Maximum Ratings (Ta = 25°C)

Symbol	Ratings	Unit
V_{DSS}	–60	V
V_{GSS}	∓20	V
I_D	∓8	A
$I_{D\ (pulse)}$	∓32 (Tch ≦ 150°C)	A
P_D	30 (Tc = 25°C)	W
Tch	150	°C
Tstg	–55 to +150	°C

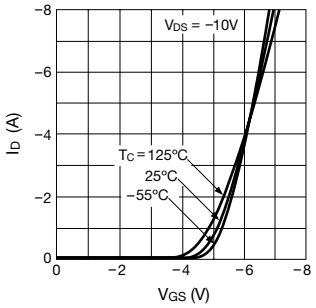
Electrical Characteristics (Ta = 25°C)

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
Ciss		580		pF	V_{DS} = –25V, f = 1.0MHz, V_{GS} = 0V
Coss		360		pF	
t_{on}		90		ns	I_D = –4.0A, V_{DD} = –30V, V_{GS} = –10V, See Figure 3 on Page 5.
t_{off}		45		ns	

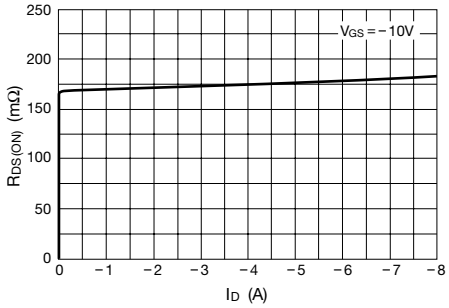
V_{DS} — I_D Characteristics



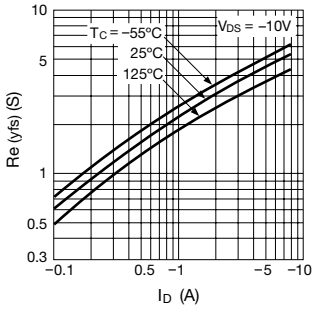
V_{GS} — I_D Characteristics



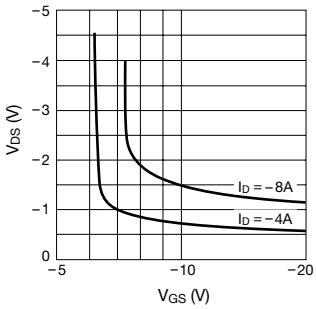
I_D — $R_{DS\ (ON)}$ Characteristics



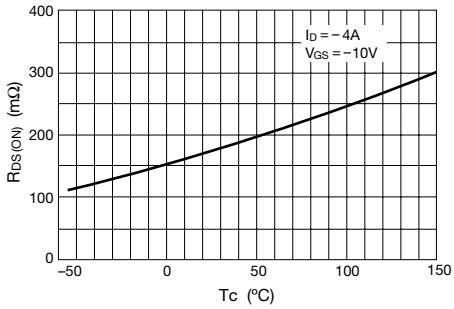
I_D — $Re_{(yfs)}$ Characteristics



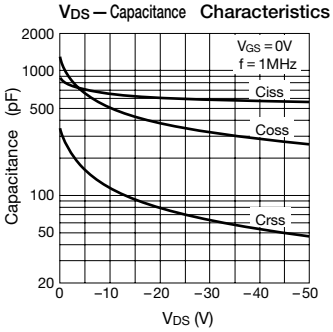
V_{GS} — V_{DS} Characteristics



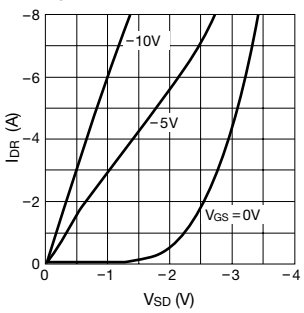
T_C — $R_{DS\ (ON)}$ Characteristics



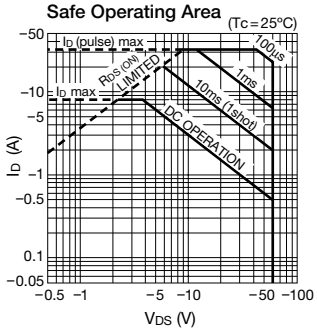
V_{DS} — Capacitance Characteristics



V_{SD} — I_{DR} Characteristics



Safe Operating Area (Tc = 25°C)



Ta — P_D Characteristics

