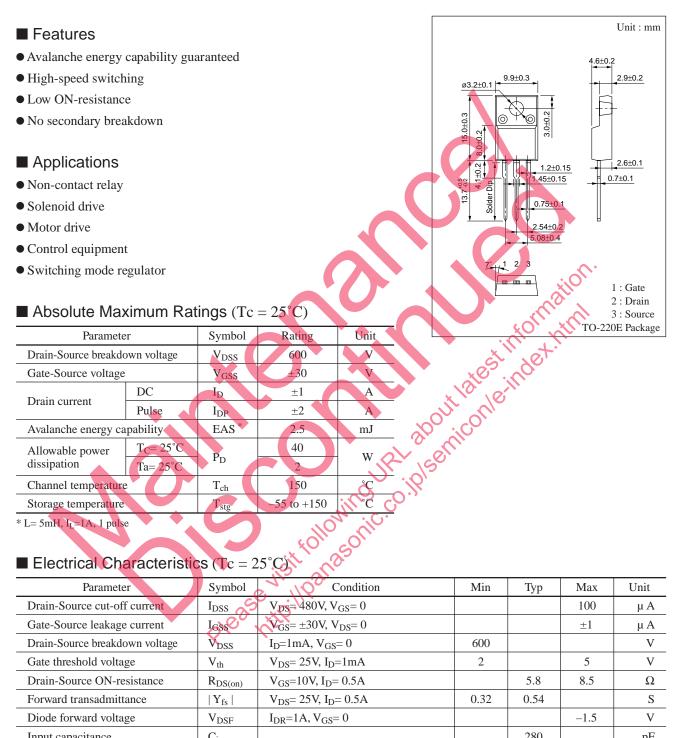
2SK2323(Tentative)

Silicon N-Channel Power F-MOS



Parameter	Symbol	Condition	Min	Тур	Max	Unit
Drain-Source cut-off current	I _{DSS}	$V_{DS} = 480V, V_{GS} = 0$			100	μΑ
Gate-Source leakage current	IGSS	$V_{GS} = \pm 30V, V_{DS} = 0$			±1	μΑ
Drain-Source breakdown voltage	V _{DSS}	$I_D=1$ mA, $V_{GS}=0$	600			V
Gate threshold voltage	V _{th}	V_{DS} = 25V, I_D =1mA	2		5	V
Drain-Source ON-resistance	R _{DS(on)}	$V_{GS}=10V, I_D=0.5A$		5.8	8.5	Ω
Forward transadmittance	Y _{fs}	V_{DS} = 25V, I_D = 0.5A	0.32	0.54		S
Diode forward voltage	V _{DSF}	$I_{DR}=1A, V_{GS}=0$			-1.5	V
Input capacitance	C _{iss}			280		pF
Output capacitance	Coss	$V_{DS}=20V, V_{GS}=0, f=1MHz$		30		pF
Feedback capacitance	C _{rss}			10		pF
Turn-on time (delay time)	t _{d(on)}			10		ns
Rise time	t _r	$V_{DD}=200V, I_{D}=0.5A$		10		ns
Fall time	t _f	$V_{GS}=10V, R_L=400\Omega$		50		ns
Turn-off time (delay time)	t _{d(off)}			50		ns
Channel-Case heat resistance	R _{th(ch-c)}				3.125	°C/W
Channel-Atmosphere heat resistance	R _{th(ch-a)}				62.5	°C/W



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