

8. INDUSTRIAL APPLICATIONS FETS

(1) CHOPPER SWITCHING APPLICATIONS

» JUNCTION FET «

Application	Type No.		V _{GDS} (V)	I _G (mA)	P _D (mW)	T _j (°C)	IDSS*		Main Electrical Characteristics		PACKAGE
	N-Channel	P-Channel					V _{DS} (V)	I _D (mA)	Yfsl	V _{GS}	
General Purpose	2SK11		-20	10	100	150	0.3~6.5	10	Yfsl=0.7~3.2mS	@V _{DS} =10V, V _{GS} =0, f=1KHz	TO-17
Low Noise	2SK12		-20	10	100	150	0.45~5.0	10	Yfsl=0.8~3.2mS	@V _{DS} =10V, V _{GS} =0, f=1KHz	TO-17
Low Noise	2SK15		-20	10	100	150	0.45~5.0	10	NF=3dBMAX.	@V _{DS} =10V, I _D =0.45mA, R _g =10kΩ, f=1KHz	TO-17
High Yfsl Low Noise	2SK112		-50	10	250	150	1.2~9.0	15	NF=2dBMAX.	@V _{DS} =15V, I _D =1mA, R _g =1KΩ, f=1KHz	TO-18
Controlled Resistor	2SK113-R		-50	10	250	150	(Note) 5~30	20	RON=100ΩMAX.	@V _{GS} =0, I _D =1mA	TO-18
Switching, Chopper	2SK113-O		-50	10	250	150	(Note) 25~75	20	RON=60ΩMAX.	@V _{GS} =0, I _D =1mA	TO-18
Analog Switch, Chopper	2SK113-Y		-50	10	150	150	(Note) 50~150	20	RON=30ΩMAX.	@V _{GS} =0, I _D =1mA	TO-18

* I_{DSS} Classified. (Note) Pulsed

» MOS FET «

Application	Type No.		V _{DSS} (V)	V _{G2SS} (V)	V _{G2SS} (V)	I _D (mA)	P _D (mW)	T _{ch} (°C)	R _{ON} (Ω)	V _{GS} (V)	V _{G2S} (V)	V _{DS} (mV)	C _{G1D} (PF)	C _{G1S} (PS)	ACG [C _{A1D} -C _{G1S}] (PF)	PACKAGE
	N-CHANNEL	P-CHANNEL														
Switching chopper	3SK 38A		20	±12	-20	10	200	125	500 MAX.	3	0	10	2.5 MAX	2.5 MAX	0.3 MAX.	(2-8E1A)

(Lead; Cu)

