

# 8. INDUSTRIAL APPLICATIONS FETS

## (1) CHOPPER SWITCHING APPLICATIONS

### » JUNCTION FET «

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

\* I<sub>DSS</sub> Classified. (Note) Pulsed

### » MOS FET «

Application	Type No.		V <sub>DSS</sub> (V)	V <sub>G2SS</sub> (V)	V <sub>G2SS</sub> (V)	I <sub>D</sub> (mA)	P <sub>D</sub> (mW)	T <sub>ch</sub> (°C)	R <sub>ON</sub> (Ω)	V <sub>GS</sub> (V)	V <sub>DS</sub> (mV)	CG1D (PF)	CG1S (PS)	ACG [CA1D-CG1S] (PF)	PACKAGE
	N-CHANNEL	P-CHANNEL													
Switching chopper	3SK 38A		20	±12	-20	10	200	125	500 MAX.	3	0	10	2.5 MAX	0.3 MAX.	(2-8E1A)

(Lead; Cu)

