

## 8. INDUSTRIAL APPLICATIONS FETS

### (1) CHOPPER SWITCHING APPLICATIONS

#### » JUNCTION FET «

Type No.	V <sub>GDS</sub> (V)	I <sub>G</sub> (mA)	P <sub>D</sub> (mW)	T <sub>j</sub> (°C)	I <sub>DSS</sub> *		Main Electrical Characteristics						PACKAGE		
					(mA)	V <sub>DS</sub> (V)									
N-Channel															
2SK11	-20	10	100	150	0.3~6.5	10	@V <sub>DS</sub> =10V, V <sub>GS</sub> =0, f=1KHz						TO-17		
2SK12	-20	10	100	150	0.45~5.0	10	@V <sub>DS</sub> =10V, V <sub>GS</sub> =0, f=1KHz						TO-17		
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		
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		
2SK113-R	-50	10	250	150	(Note) 5~30	20	RON=100ΩMAX. @V <sub>GS</sub> =0, I <sub>D</sub> =1mA						TO-18		
2SK113-O	-50	10	250	150	(Note) 25~75	20	RON=60ΩMAX. @V <sub>GS</sub> =0, I <sub>D</sub> =1mA						TO-18		
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

#### Application

General Purpose  
 Low Noise  
 Low Noise  
 High 1Yfsl Low Noise  
 Controlled Resistor  
 Switching, Chopper  
 Analog Switch, Chopper

#### » MOS FET «

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)	RON (Ω)	CG1D			CG1S (PS)	A <sub>CG</sub> [CA1D-CG1S] (PF)	PACKAGE
								V <sub>G1S</sub> (V)	V <sub>G2S</sub> (V)	V <sub>DS</sub> (mV)			
N-CHANNEL													
3SK38A	20	±12	-20	10	200	125	500 MAX.	3	0	10	2.5 MAX	0.3 MAX.	(2-8E1A)

Switching choppen

(Lead; Cu)

