

9097250 TOSHIBA (DISCRETE/OPTO)

67C 09144

D T-27-01

8. INDUSTRIAL APPLICATIONS FETs

(1) CHOPPER SWITCHING APPLICATIONS

» JUNCTION FET «

Type No.	V _{GDS} (V)	I _G (mA)	P _D (mW)	T _j (°C)	IDSS *		Main Electrical Characteristics	PACKAGE
					I _{DSS} (mA)	V _{DS} (V)		
N-Channel								
2SK11	-20	10	100	150	0.3~6.5	10	I _{Yfs} =0.7~3.2mS @V _{DS} =10V, V _{GS} =0, f=1KHz	TO-17
2SK12	-20	10	100	150	0.45~5.0	10	I _{Yfs} =0.8~3.2mS @V _{DS} =10V, V _{GS} =0, f=1KHz	TO-17
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
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
2SK113-R	-50	10	250	150	(Note) 5~30	20	R _{ON} =100ΩMAX. @V _{GS} =0, I _D =1mA	TO-18
2SK113-O	-50	10	250	150	(Note) 25~75	20	R _{ON} =60ΩMAX. @V _{GS} =0, I _D =1mA	TO-18
2SK113-Y	-50	10	150	150	(Note) 50~150	20	R _{ON} =30ΩMAX. @V _{GS} =0, I _D =1mA	TO-18

* I_{DSS} Classified. (Note) Pulsed

Application

General Purpose

Low Noise

Low Noise

High I_{Yfs} Low Noise

Controlled Resistor

Switching, Chopper

Analog Switch, Chopper

» MOS FET «

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}			C _{G1D} (PF)	C _{G1S} (PS)	ΔCG [C _{A1D} , C _{G1S}] (PF)	PACKAGE
								V _{G1S} (V)	V _{G2S} (V)	V _{DS} (mV)				
N-CHANNEL														
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)

Application

Switching chopper

