

9097250 TOSHIBA (DISCRETE/OPTO)

(2) DIFFERENTIAL AMPLIFIER APPLICATIONS

DUAL TYPE

Similar to 2SK15

Similar to 2SK15

Similar to 2SK48

Type No.		V _{GDS}	I _G	P _D	T _j	I _{DSS} *		Y _{fs}		$\Delta V_{GS} = [V_{GS1} - V_{GS2}]$		$\frac{\Delta [V_{GS1} - V_{GS2}]}{\Delta T_a}$		PACKAGE
N-Channel	P-Channel	(V)	(mA)	(mW)	(°C)	(mA)	(ms)	V _{DS} (V)	V _{GS} (V)	(mV)	(V)	(Note) (μV/°C)	I _D (mA)	
2SK18		-40	10	200	150	0.45~2.8	0.8~3.0	10	0	10MAX.	10	100MAX.	0.2	(2-9C1A)
2SK18A		-40	10	200	150	0.45~2.8	0.8~3.0	10	0	10MAX.	10	20MAX.	0.2	(2-9C1A)
2SK72		-20	10	200	150	0.60~6.5	1.5~6.5	10	0	10MAX.	10	30TYP.	0.2	(2-9C1B)

* I_{DSS} Classified (Note) $\Delta [V_{GS1} - V_{GS2}]$ Guaranteed T_a = 0~60°C ΔT_a ** Matched Pairs are Available: $\Delta I_{DSS} < 10\%$, $\Delta V_{GS} < 20mV$

(3) OTHER APPLICATIONS

Application

Medical Electronic Equipment
Video Pre-Amplifier
VHF Band Amplifier

Type No.		V _{GDS}	I _G	P _D	T _j	I _{DSS}		Main Electrical Characteristics					PACKAGE
N-Channel	P-Channel	(V)	(mA)	(mW)	(°C)	(mA)	(V)	V _{DS} (V)	NF=5dB MAX. @V _{DS} =10V, I _D =450μA, R _g =100KΩ, f=120Hz	GR=6.5~13.0	BL=11.0~22.0		
2SK48		-20	10	100	150	0.3~3.0	10	10					TO-17
3SK28		-10	10	200	150	3.7~22*	10	10	GPS=17dB MIN. @V _{DD} =10V V _{GS} =0 f=100MHz				TO-72

* Y: 3.7~7.5

