

9097250 TOSHIBA (DISCRETE/OPTO)

67C 09141 D T-27-01

» MOS FET «

Type No.	V <sub>DS</sub> (V)		I <sub>DSS</sub> (mA)		I <sub>Yfs1</sub> TYP. (mS)		C <sub>rss</sub> MAX. (pF)		NF MAX.					
	N-Channel	P-Channel	V <sub>DS</sub>	I <sub>DSS</sub>	V <sub>DS</sub>	V <sub>GS</sub>	V <sub>DS</sub>	f	V <sub>DS</sub>	f	R <sub>s</sub>			
2SK241			20	1.5~14	10	0	10	0.05	10	1	3.0	10	100M	-

Application

VHF Amp FM RF  
(Cascode Type)

3. μ-X PACKAGE SERIES

» GaAs MES FET «

Type No.	V <sub>DS</sub> (V)	I <sub>D</sub> (mA)	PD (mW)	I <sub>DSS</sub> (mA)		I <sub>Yfs1</sub> (1KHz) TYP. (mS)		NF TYP. (dB)		F (MHz)		
				V <sub>DS</sub>	V <sub>GS</sub>	V <sub>DS</sub>	V <sub>GS</sub>	V <sub>DS</sub>	V <sub>GS</sub>			
3SK121	10	50	200	20~45	0/0	17	5	10	0	1.5	5	800

Application

UHF RF

» TRANSISTOR «

Type No.	V <sub>CEO</sub> (V)	I <sub>C</sub> (mA)	P <sub>C</sub> (mW)	h <sub>FE</sub>		f <sub>T</sub> TYP. (MIN.) (MHz)		NF MAX. (TYP.) (dB)		f (MHz)		
				V <sub>CE</sub>	I <sub>C</sub>	V <sub>CE</sub>	I <sub>C</sub>	V <sub>CC</sub>	V <sub>AGC</sub>			
NPN												
2SC2804	20	20	200	25 MIN.	2	900	10	2	(3.5)	3	800	
2SC2805	15	50	200	20 MIN.	3	1500	10	8	-	-	-	
2SC2806	15	50	200	20 MIN.	3	(600)	10	8	-	-	-	
2SC2876	7.5	80	200	30~200	3	7000	5	30	(2.3)	5	1000	
2SC3137	15	50	200	40~200	10	2400	10	2	(8)	10	800	
2SC3172	20	50	200	40~300	10	1400	10	5	(3.8)	12	200	
2SC3302	12	70	200	25 MIN.	10	5000	10	20	(1.7)	10	1000	
2SC3548	15	30	200	30~200	10	4000	10	10	(2.0)	10	1000	
2SC3602	20	20	200	25 MIN.	10	1100	10	2	(3.3)	12	3	800
2SC3608	12	80	200	30~200	10	7000	10	20	(1.1)	10	5	1000

Application

UHF RF Amp  
UHF OSC, VHF MIX  
VHF OSC.  
VHF~C Band Low Noise Amp  
UHF MIX OSC  
VHF MIX  
VHF/UHF Low Noise Amp  
UHF OSC (NEW)  
UHF RF (NEW)  
VHF/UHF Low Noise Amp (NEW)

» MOS FET «

Type No.	V <sub>DS</sub> (V)	I <sub>D</sub> (mA)	P <sub>D</sub> (mW)	I <sub>DSS</sub> (mA)		I <sub>Yfs1</sub> (1KHz) TYP. (mS)		NF MAX. (TYP.) (dB)		f (MHz)		
				V <sub>DS</sub>	V <sub>GS</sub>	V <sub>DS</sub>	V <sub>GS</sub>	V <sub>DS</sub>	V <sub>GS</sub>			
N-Channel												
3SK101	20	30	200	3~24*	0/4	20	15	10	4	3.2	15	200
3SK102	20	30	200	3~24*	0/4	8 MIN.	15	10	4	5.0	15	800
3SK114	15	30	200	0~6**	0/3	20	6	10	3	(1.4)	6	200
3SK115	15	30	200	0~6**	0/3	17	6	10	3	(3.2)	6	800
3SK145	13.5	30	200	0~6**	0/3	16	6	10	3	(2.6)	6	800

Application

VHF RF Amp  
UHF RF Amp  
VHF RF Amp  
UHF RF Amp  
UHF RF Amp (NEW)

O: 1.5~3.5 Y: 3~7 GR: 6~14

Y: 20~35 GR: 30~45

\* Y: 3~7 GR: 6~14 BL: 12~24 \*\* O: 0~2 Y: 1~6