

9097250 TOSHIBA (DISCRETE/OPTO)

67C 09141

D T-27-01

➤ MOS FET ◀

Type No.	V <sub>DS</sub>		I <sub>D</sub>		P <sub>D</sub>		I <sub>DSS</sub>		I <sub>Yfs1</sub> TYP.		C <sub>rss</sub> MAX.		NF MAX.					
	N-Channel	P-Channel	(V)	(mA)	(mW)	(mA)	(V)	V <sub>GS</sub> (V)	V <sub>DS</sub> (V)	V <sub>GS</sub> (V)	(mS)	(pF)	V <sub>DS</sub> (V)	f (MHz)	V <sub>DS</sub> (V)	I <sub>D</sub> (mA)	f (Hz)	R <sub>s</sub> (Ω)
2SK241			20	30	200	1.5~14	10	0	10	10	10	0.05	10	1	10	-	100M	-

Application

VHF Amp FM RF  
(Cascode Type)

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

3. μ-X PACKAGE SERIES

➤ GaAs MES FET ◀

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

Application

UHF RF

Y: 20~35 GR: 30~45

➤ TRANSISTOR ◀

Type No.	V <sub>CEO</sub>		I <sub>C</sub>		P <sub>C</sub>		h <sub>FE</sub>		f <sub>T</sub> TYP. (MIN.)		NF MAX. (TYP.)		
	NPN	PNP	(V)	(mA)	(mW)	(mA)	(V)	I <sub>C</sub> (mA)	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	V <sub>CE</sub> (V)	V <sub>AGC</sub> (V)	f (MHz)
2SC2804			20	20	200	25 MIN.	10	2	900	10	2	3.5	800
2SC2805			15	50	200	20 MIN.	3	8	1500	10	8	-	-
2SC2806			15	50	200	20 MIN.	3	8	600	10	8	-	-
2SC2876			7.5	80	200	30~200	3	50	7000	5	30	2.3	1000
2SC3137			15	50	200	40~200	10	5	2400	10	2	8	800
2SC3172			20	50	200	40~300	10	5	1400	10	5	3.8	200
2SC3302			12	70	200	25 MIN.	10	20	5000	10	20	1.7	1000
2SC3548			15	30	200	30~200	10	5	4000	10	10	2.0	1000
2SC3602			20	20	200	25 MIN.	10	2	1100	10	2	3.3	800
2SC3608			12	80	200	30~200	10	20	7000	10	20	1.1	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>		I <sub>D</sub>		P <sub>D</sub>		I <sub>DSS</sub>		I <sub>Yfs1</sub> (1KHz) TYP.		NF MAX. (TYP.)		
	N-Channel	P-Channel	(V)	(mA)	(mW)	(mA)	(V)	V <sub>GS</sub> (V)	V <sub>DS</sub> (V)	I <sub>D</sub> (mA)	V <sub>GS</sub> (V)	V <sub>DS</sub> (V)	f (MHz)
3SK101			20	30	200	3~24*	15	0/4	20	15	10	4	3.2
3SK102			20	30	200	3~24*	15	0/4	8 MIN.	15	10	4	5.0
3SK114			15	30	200	0~6**	6	0/3	20	6	10	3	1.4
3SK115			15	30	200	0~6**	6	0/3	17	6	10	3	3.2
3SK145			13.5	30	200	0~6**	6	0/3	16	6	10	3	2.6

Application

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

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