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HIGH FREQUENCY APPLICATIONS

(Classified by package and arranged in order of decreasing f_T . Minus sign for PNP is omitted due to space limitations.)

Type Number	Case	Applications	Absolute Maximum Ratings/ $T_a=25^{\circ}\text{C}$						Electrical Characteristics/ $T_a=25^{\circ}\text{C}$							
			V _{CB0} [V]	V _{CE0} *V _{CEr} [V]	V _{EB0} [V]	I _C [A]	P _C [W]	T _j [$^{\circ}\text{C}$]	V _{CB} [V]	I _{CB0} (max) [A]	V _{CE} [V]	I _C [A]	hFE	V _{CE} [V]	I _C [A]	f _T [MHz]
2 S C 2 0 7 8	T0220	27MHz CB Transceiver Driver	80	*75 (150 Ω)	5	3	10	150	40	10 μ (T _c =50 $^{\circ}\text{C}$)	5	500m	25-200	10	0.1	150

GENERAL APPLICATIONS

(Classified by package and arranged in order of increasing P_C . Minus sign for PNP is omitted due to space limitations.) ●: Mounted on ceramic board (250mm²×0.8mm)

Type Number	Case	Applications	Absolute Maximum Ratings/ $T_a=25^{\circ}\text{C}$						Electrical Characteristics/ $T_a=25^{\circ}\text{C}$							
			V _{CB0}	V _{CE0}	V _{EB0}	I _C	P _C	T _j	V _{CB}	I _{CB0} (max)	V _{CE}	I _C	hFE	V _{CE}	I _C	f _T
			[V]	[V]	[V]	[A]	[W]	* $T_C=25^{\circ}\text{C}$ [$^{\circ}\text{C}$]								
※2SC3661	CP	High hFE, AF Amp.	30	25	15	30m	200m	-	-	5	10m	800~3200	-	-	-	
2SA1179	CP	AF Amp.	55	50	5	150m	200m	125	35	0.1μ	6	1m	90~600	6	10m	180
2SC2812	CP	AF Amp.	55	50	5	150m	200m	125	35	0.1μ	6	1m	90~600	6	1m	100
2SA1252	CP	AF Amp.	60	50	15	150m	200m	125	40	0.1μ	6	1m	100~560	6	1m	100
2SC3134	CP	AF Amp.	60	50	15	150m	200m	125	40	0.1μ	6	1m	100~560	6	1m	100
※2SA1434	CP	High hFE, AF Amp.	60	50	15	10m	200m	-	-	5	10m	500~1200	10	10m	100	
※2SC3689	CP	High hFE, AF Amp.	60	50	15	100m	200m	-	-	5	10m	800~3200	10	10m	100	
			V _{GD0} , V _{GDS} *				I _G	P _D	V _{GS}	I _{GSS}	V _{DS}	IDSS				
2SK283	CP	AF Amp.	80*	-	-	10m	150m	125	30V	1.0n	30	-	1.2~17mA	-	-	-
2SK303	CP	AF Amp.	30*	-	-	10m	150m	125	20	1.0n	10	-	0.6~12mA	-	-	-
2SK334	CP	Capacitor Microphone.	20	-	-	10m	100m	125	-	-	10	-	0.06~1.5mA	-	-	-
			V _{DS}	-	-	ID	400m	200m	125	V _{GS}	I _{GSS}	V _{DS}	IDSS	V _{DS}		Y _{fs}
※2SK536	CP	Analog Switching	50	-	-	10m	200m	125	10	10n	20	-	<1.0μA	5V	-	35mS
						I _G	10m			I _{GSS}	V _{DS}					
2SK545	CP	Impedance Converter	40	-	-	10m	100m	125	20	500PA	10	-	30~300μA	-	-	-
※2SA1416	PCP	AF Amp.	100	100	5	1.0	1.3●	150	80	1.0μ	5	100m	100~400	10	100m	120
※2SA3646	PCP	AF Amp.	100	100	5	1.0	1.3●	150	80	1.0μ	5	100m	100~400	10	100m	120
2SC3651	PCP	High hFE, AF Amp.	120	100	15	20m	1.3●	-	-	-	5	10m	500~2000	10	10m	150
2SC3650	PCP	High hFE, AF Amp.	30	25	15	150m	1.5●	-	-	-	5	500m	800~3200	10	50m	220
※2SA1417	PCP	AF Amp.	100	100	5	1.0	1.5●	150	80	1.0μ	5	100m	100~400	10	100m	120
※2SA3647	PCP	AF Amp.	100	100	5	1.0	1.5●	150	80	1.0μ	5	100m	100~400	10	100m	120