

9097250 TOSHIBA (DISCRETE/OPTO)

67C 09134

D T-27-01

**Application**

VHF AMP. TV 1st PIF  
 VHF AMP. TV 2nd 3rd PIF  
 VHF Amp TV 2nd 3rd PIF

UHF OSC. VHF MIX  
 VHF RF. MIX  
 VHF OSC  
 VHF MIX

**Application**

VHF/UHF Low Noise AMP  
 VHF/UHF Low Noise AMP  
 VHF/UHF Low Noise AMP  
 VHF~UHF Wide Band AMP  
 VHF/UHF Low Noise AMP  
 VHF/UHF Low Noise AMP <sup>(NEW)</sup>

Type No.	V <sub>CEO</sub> (V)	I <sub>C</sub> (mA)	P <sub>C</sub> (mW)	h <sub>FE</sub>		V <sub>CE(sat)</sub> MAX.			f <sub>T</sub> MIN.		G <sub>pe</sub>			
				V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	I <sub>B</sub> (mA)	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	(dB)	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	f (MHz)
NPN														
PNP														
2SC2215*	40	50	250	20 MIN.	4	—	—	—	400	4	32~40	12	4	45
2SC2216	45	50	300	40~140	12.5	0.2	15	1.5	300	12.5	29~36	12.5	12.5	45
2SC2717	25	50	300	40~240	12.5	0.2	15	1.5	300	12.5	28~36	12.5	12.5	45

\* IAGC CLASSIFICATION BL: 7.2~8.8 V: 8.2~10.1 W: 8.9~10.8 (mA)

2SC2347	15	50	250	20 MIN.	3	—	—	—	650	10	—	—	—	—
2SC2348	30	20	250	40~200	10	—	—	—	400	10	20~28	12	—	200
2SC2349	15	50	250	20 MIN.	3	—	—	—	600	10	—	—	—	—
2SC3136	20	50	250	40~300	10	—	—	—	900	10	23 (TYP)	12	—	200

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.			S <sub>21e</sub>   <sup>2</sup> TYP.			NF TYP.		
				V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	(GHz)	(dB)	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	f (GHz)	(dB)	V <sub>CE</sub> (V)
NPN														
PNP														
2SC2498	20	50	300	30~300	10	3.5	10	10	14.5	10	0.5	10	5	0.5
2SC2499	20	30	300	30 MIN.	10	4.0	10	10	15.0	10	0.5	10	3	0.5
2SC2548	10	30	250	30 MIN.	5	4.0	5	10	15.5	5	0.5	5	5	0.5
2SC2644	12	120	500	20 MIN.	5	4.0	10	30	14.0	10	0.5	10	10	0.5
2SC2753	12	70	300	30~180	10	5.0	10	20	10.5	10	1.0	10	5	1.0
2SC3605	12	80	600	30~200	10	6.5	10	20	10.0	10	1.0	10	5	1.0