

Determinación de los parámetros h de los transistores BC546 a BC548

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Small Signal Current Gain	Current gain group A	$V_{CE} = 5\text{ V}, I_C = 2\text{ mA}, f = 1\text{ kHz}$	—	220	—	—
	B		—	330	—	
	C		—	600	—	
Input Impedance	Current gain group A	$V_{CE} = 5\text{ V}, I_C = 2\text{ mA}, f = 1\text{ kHz}$	1.6	2.7	4.5	k Ω
	B		3.2	4.5	8.5	
	C		6	8.7	15	
Output Admittance	Current gain group A	$V_{CE} = 5\text{ V}, I_C = 2\text{ mA}, f = 1\text{ kHz}$	—	18	30	μS
	B		—	30	60	
	C		—	60	110	
Reverse Voltage Transfer Ratio	Current gain group A	$V_{CE} = 5\text{ V}, I_C = 2\text{ mA}, f = 1\text{ kHz}$	—	$1.5 \cdot 10^{-4}$	—	—
	B		—	$2 \cdot 10^{-4}$	—	
	C		—	$3 \cdot 10^{-4}$	—	
DC Current Gain	Current gain group A	$V_{CE} = 5\text{ V}, I_C = 10\text{ }\mu\text{A}$	—	90	—	—
	B		—	150	—	
	C		—	270	—	
	Current gain group A	$V_{CE} = 5\text{ V}, I_C = 2\text{ mA}$	110	180	220	
	B		200	290	450	
	C		420	500	800	
Current gain group A	$V_{CE} = 5\text{ V}, I_C = 100\text{ mA}$	—	120	—		
B		—	200	—		
C		—	400	—		

