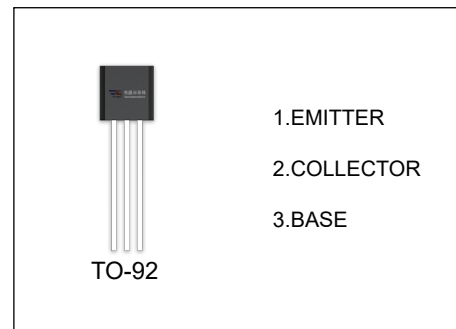


BC212 TRANSISTOR (PNP)

FEATURES

- General Purpose Switching and Amplification.



ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
BC212	TO-92	Bulk	1000pcs/Bag
BC212-TA	TO-92	Tape	2000pcs/Box

MAXIMUM RATINGS ($T_a=25^{\circ}\text{C}$ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{CBO}	Collector-Base Voltage	-60	V
V_{CEO}	Collector-Emitter Voltage	-50	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current -Continuous	-0.1	A
P_C	Collector Power Dissipation	0.35	W
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	357	$^{\circ}\text{C} / \text{W}$
T_J, T_{stg}	Operation Junction and Storage Temperature Range	-55~+150	$^{\circ}\text{C}$

$T_a=25\text{ }^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit	
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C = -0.01\text{mA}, I_E = 0$	-60			V	
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C = -2\text{mA}, I_B = 0$	-50			V	
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E = -0.01\text{mA}, I_C = 0$	-5			V	
Collector cut-off current	I_{CBO}	$V_{CB} = -30\text{V}, I_E = 0$			-15	nA	
Collector cut-off current	I_{CEO}	$V_{CE} = -30\text{V}, I_B = 0$			-0.1	μA	
Emitter cut-off current	I_{EBO}	$V_{EB} = -4\text{V}, I_C = 0$			-15	nA	
DC current gain	h_{FE}	$V_{CE} = -5\text{V}, I_C = -2\text{mA}$	BC212	140		600	
			BC212B	140		400	
			BC212C	350		600	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -100\text{mA}, I_B = -5\text{mA}$			-0.6	V	
Base-emitter saturation voltage	$V_{BE(sat)}$	$I_C = -100\text{mA}, I_B = -5\text{mA}$			-1.2	V	
Base-emitter voltage	V_{BE}	$V_{CE} = -5\text{V}, I_C = -2\text{mA}$			-0.72	V	
Transition frequency	f_T	$V_{CE} = -5\text{V}, I_C = -10\text{mA}, f = 100\text{MHz}$	200			MHz	
Collector output capacitance	C_{ob}	$V_{CB} = -10\text{V}, I_C = 0, f = 1\text{MHz}$			6	pF	