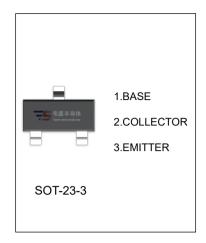


BCW61 TRANSISTOR (PNP)

FEATURES

- Low current
- Low voltage
- General Purpose Transistor



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

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-32	V
V _{CEO}	Collector-Emitter Voltage	-32	V
V _{EBO}	Emitter-Base Voltage	-5	V
Ic	Collector Current	-100	mA
Pc	Collector Power Dissipation	250	mW
R _{OJA}	Thermal Resistance From Junction To Ambient	500	°C/W
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55~+150	°C



Parameter	Symbol	Test conditions		Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =-10μA, I _E =0		-32			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =-1mA, I _B =0		-32			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =-10μA, I _C =0		-5			V
Collector cut-off current	I _{CBO}	V _{CB} =-32V, I _E =0				-0.02	μA
Emitter cut-off current	ter cut-off current I _{EBO} V _{EB} =-4V, I _C =0					-0.02	μA
	h _{FE(1)}	V _{CE} =-5V, I _C =-10μA	BCW61B	30			
			BCW61C	40			
			BCW61D	100			
	h _{FE(2)}	V _{CE} =-5V, I _C =-2mA	BCW61A	120		220	
			BCW61B	180		310	
DC current gain			BCW61C	250		460	
			BCW61D	380		630	
	h _{FE(3)}		BCW61A	60			
		\\ - 4\\ - 50m4	BCW61B	80			
		V _{CE} =-1V, I _C =-50mA	BCW61C	100			
			BCW61D	110			
	V _{CE(sat)}	I _C =-10mA, I _B =-0.25mA		-60		-250	mV
Collector-emitter saturation voltage		I _C =-50mA, I _B =-1.25mA		-120		-550	mV
Page amitted activistics welltone	V _{BE(sat)}	I _C =-10mA, I _B =-0.25mA		-0.6		-0.85	V
Base-emitter saturation voltage		I _C =-50mA, I _B =-1.25mA		-0.68		-1.05	V
Base-emitter voltage	V _{BE}	V _{CE} =-5V, I _C =-2mA		-0.6		-0.75	V
Transition frequency	f⊤	V _{CE} =-5V,I _C =-10mA, f=100MHz		100			MHz
Collector output capacitance	Cob	V _{CB} =-10V, I _E =0, f=1MHz			4.5		pF
Emitter input capacitance	C _{ib}	V _{EB} =-0.5V, I _C =0, f=1MHz			11		pF