

BCW68 TRANSISTOR (PNP)

FEATURES

Complementary to BCW66, BCW68 is subdivided into

three groups F, G and H according to its DC current gain.

MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-60	V
V _{CEO}	Collector-Emitter Voltage	-45	V
V _{EBO}	Emitter-Base Voltage	-5	V
Ic	Collector Current	-800	mA
Pc	Collector Power Dissipation	330	mW
R _{OJA}	Thermal Resistance From Junction To Ambient	379	°C/W
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55~+150	℃



ELECTRICAL CHARACTERISTICS (Ta=25℃ unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =- 10 μ A, I _E =0	-60			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C = -10mA, I _B =0	-45			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =-10 μ A, I _C =0	-5			V
Collector cut-off current	I _{CBO}	V _{CB} =-45 V, I _E =0			-0.02	μА
Collector cut-off current	I _{EBO}	V _{EB} =-4 V, I _C =0			-0.02	μА
	h _{FE1}	V _{CE} =-10V, I _C =-0. 1mA	35 50 80			
DC current gain	h _{FE2}	V _{CE} =-1V, I _C =- 10mA G H	180			
•	h _{FE3}	V _{CE} =-1V, I _C =-100mA	100 160 250		250 400 630	
	h _{FE4}	V _{CE} =-2V, I _C =- 500mA G H	35 60 100			
Collector-emitter saturation voltage	V _{CE} (sat)	I _C =-100mA, I _B =-10mA			-0.3	V
Concotor Children Cataration Voltage		I _C =-500mA, I _B =-50mA			-0.7	V
Base-emitter saturation voltage	V _{BE} (sat)	I _C =-100mA, I _B =-10mA			-1.25	V
base-emitter saturation voltage	v B⊏(sat)	I _C =-500mA, I _B =-50mA			-2	V
Transition frequency f _T		V _{CE} = -5V,I _C =-50mA,f=20MHz		200		MHz
Output capacitance	C _{ob}	V _{CB} = -10V,I _E =0,f=1MHz		6		pF
Input capacitance	C _{ib}	V _{EB} = -0.5V,I _E =0, f =1MHz		60		pF

MARKING

Rank	F	G	Н
Range	100-250	160-400	250-630
Marking	DF	DG	DH



