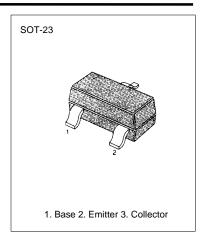
PNP EPITAXIAL SILICON TRANSISTOR

GENERAL PURPOSE TRANSISTOR

ABSOLUTE MAXIMUM RATINGS (T_A=25°C)

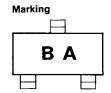
Characteristic	Symbol	Rating	Unit
Collector-Base Voltage Collector-Emitter Voltage Emitter-Base Voltage Collector Current Collector Dissipation Storage Temperature	V _{CBO} V _{CEO} V _{EBO} I _C P _C T _{STG}	-32 -32 -5.0 -100 350 -55 ~ 150	∨ ∨ ∨ mA mW °C

• Refer to KS5086 for graphs



ELECTRICAL CHARACTERISTICS (T_A=25°C)

Characteristic	Symbol	Test Conditions	Min	Max	Unit
Collector-Emitter Breakdown Voltage	BV _{CEO}	I _C = -2mA, I _B =0	-32		V
Emitter-Base Breakdown Voltage	BV _{EBO}	$I_{E}=-1\mu A, I_{C}=0$	-5		V
Collector Cut-off Current	I _{CES}	V_{CB} = -32V, V_{BE} =0		-20	nA
DC Current Gain	h _{FE}				
: BCW61B		$V_{CE} = -5V, I_{C} = -10\mu A$	20		
: BCW61C			40		
: BCW61D			100		
: BCW61A		V_{CE} = -5V, I_{C} = -2mA	120	220	
: BCW61B			140	310	
: BCW61C			250	460	
: BCW61D			380	630	
: BCW61A		V_{CE} = -5V, I_{C} = -50mA	60		
: BCW61B			80		
: BCW61C			100		
: BCW61D			100		
Collector-Emitter Saturation Voltage	V _{CE} (sat)	I _C = -50mA, I _B = -1.25mA		-0.55	V
		I _C = -10mA, I _B = -0.25mA		-0.25	V
Base-Emitter Saturation Voltage	V _{BE} (sat)	I _C = -50mA, I _B = -1.25mA	0.68	1.05	V
	., ,	I _C = -10mA, I _B = -0.25mA	0.6	0.85	V
Base-Emitter On Voltage	V _{BE} (on)	V_{CE} = -5V, I_{C} = -2mA	0.6	0.75	V
Output Capacitance	C _{OB}	V _{CB} = -10V, I _E =0 f=1MHz		6	pF
					ın
Noise Figure	NF	$I_{C} = -0.2 \text{mA}, V_{CE} = -5 \text{V}$		6	dB
		$R_G=20K\Omega$, $f=1KHz$ $I_C=-10mA$, $I_B1=-1mA$			
Turn On Time	t _{ON}	, -		150	ns
Turn Off Time	t _{OFF}	V _{BB} = -3.6V, I _B 2= -1mA		800	ns
		$R1=R2=50K\Omega$, $R_L=990\Omega$		1	





BCW61A/B/C/D

PNP EPITAXIAL SILICON TRANSISTOR

MARKING CODE

TYPE	BCW61A	BCW61B	BCW61C	BCW61D
MARK.	BA	BB	ВС	BD



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