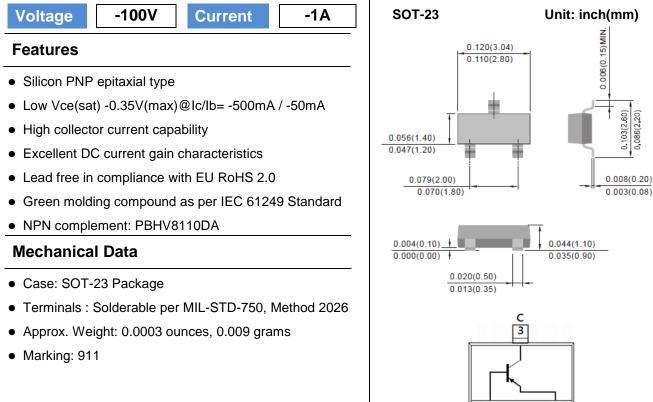
ΡΛΝ	JIT
	SEMI
	CONDUCTOR

PNP Low Vce(sat) Transistor



Maximum Ratings and Thermal Characteristics ($T_A=25^{\circ}C$ unless otherwise noted)

PARAMETER	SYMBOL	LIMIT	UNITS
Collector-Base Voltage	V _{CBO}	-120	V
Collector-Emitter Voltage	V _{CEO}	-100	V
Emitter-Base Voltage	V _{EBO}	-6	V
Collector Current (DC)	Ι _C	-1	A
Collector Current (Pulse)	I _{CP}	-3	A
Power Dissipation	P _D	1.25	W
Junction Temperature	TJ	150	°C
Operating Junction and Storage Temperature Range	T _J ,T _{STG}	-55~150	°C
Thermal Resistance from Junction to Ambient (Note)	$R_{ ext{ heta}JA}$	100	°C/W

1

В

2

Ε

Note: Mounted on FR4 PCB at 1 inch square copper pad.



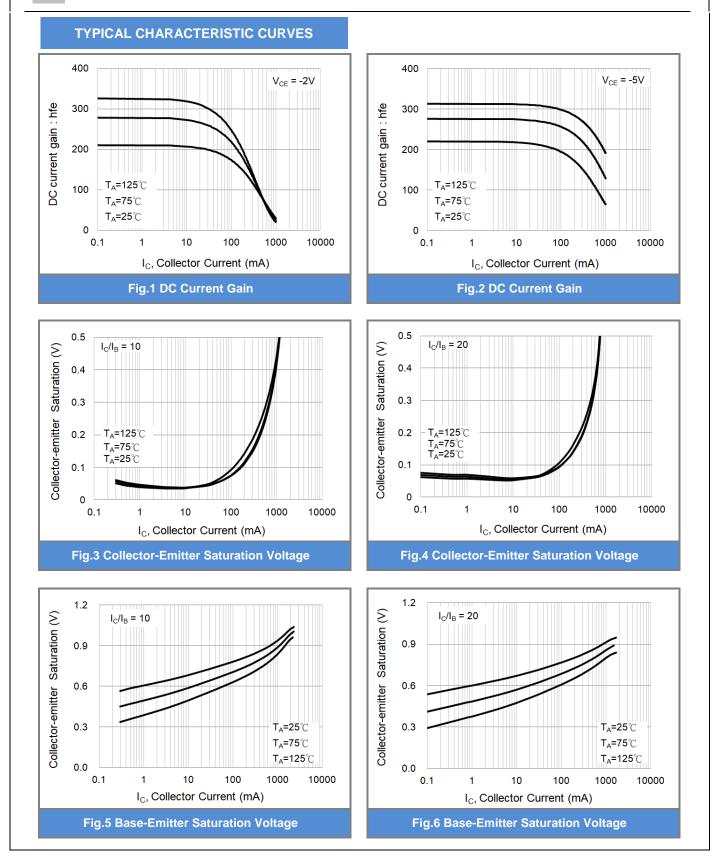
Electrical Characteristics (T _A =25°C	C unless otherwise noted)
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PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
OFF Characteristics						
Collector-Emitter Breakdown Voltage	BV _{CEO}	I _C = -10mA, I _B = 0A	-100	-	-	V
Collector-Base Breakdown Voltage	BV _{CBO}	I _C = -0.1mA, I _E = 0A	-120	-	-	V
Emitter-Base Breakdown Voltage	BV _{EBO}	I _E = -0.1mA, I _C = 0A	-6	-	-	V
Collector Cutoff Current	I _{CBO}	V _{CB} = -120V, I _E = 0A	-	-	-500	nA
Emitter Cutoff Current	I _{EBO}	V_{EB} = -6V, I _C = 0A	-	-	-500	nA
ON characteristics						
DC Current Gain (Note1)	h _{FE}	V_{CE} = -2V, I_{C} = -150mA	140	-	330	-
		V_{CE} = -5V, I _C = -500mA	100	-	300	
		V_{CE} = -5V, I_{C} = -1A	40	-	-	
Collector-Emitter Saturation Voltage (Note1)	V _{CE(SAT)}	I _C = -0.1A, I _B = -10mA	-	-90	-150	mV
		I _C = -0.5A, I _B = -50mA	-	-260	-350	
		I _C = -1A, I _B = -0.1A	-	-430	-600	
Base-Emitter Saturation voltage	V _{BE(SAT)}	I _C = -0.1A, I _B = -10mA	-	-	-1.0	
(Note1)		I _C = -0.5A, I _B = -50mA	-	-	-1.1	V
Transition Frequency	f _T	V_{CE} = -5V, I _E = 50mA	100	-	-	MHz
Collector Output Capacitance	С _{ов}	V _{CB} = -10V, I _E = 0A, f=1MHz	-	-	10	pF

Note: 1. Pulse width<300us, Duty cycle<2%

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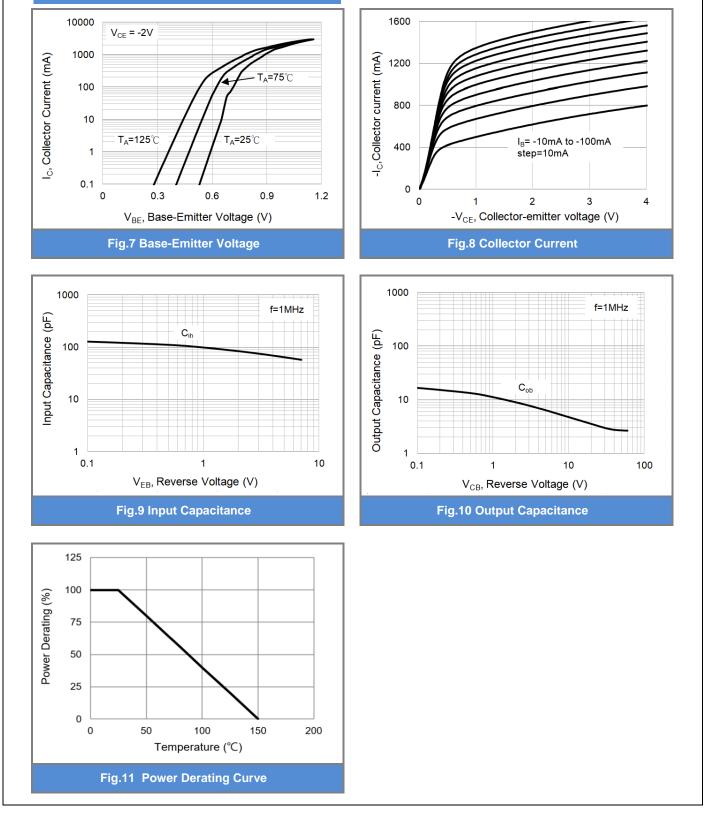
August 16,2019-REV.00



PBHV9110DA



August 16,2019-REV.00



PBHV9110DA

TYPICAL CHARACTERISTIC CURVES

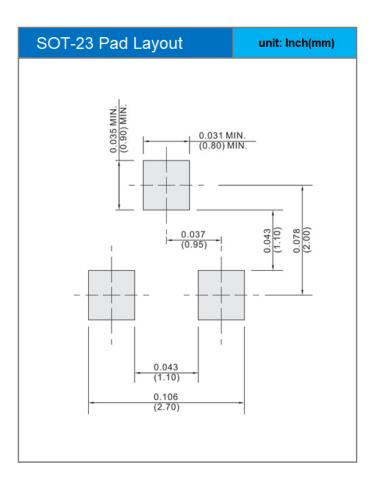




PART NO PACKING CODE VERSION

Part No Packing Code	Package Type	Packing Type	Marking	Version
PBHV9110DA_R1_00001	SOT-23	3k pcs / 7" reel	911	Halogen free

MOUNTING PAD LAYOUT







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