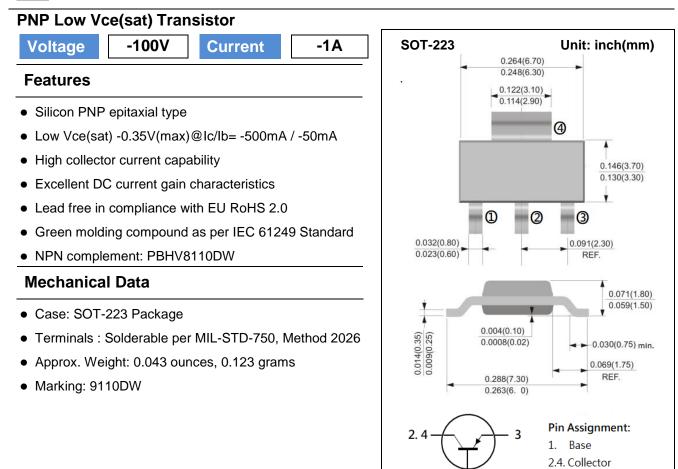
PAN	JIT
	SEMI CONDUCTOR





Maximum Ratings and Thermal Characteristics (T_A=25°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	А
Collector Current (Pulse)	I _{CP}	-3	А
Power Dissipation	P _D	2.6	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)	$R_{ extsf{ heta}JA}$	48	°C/W

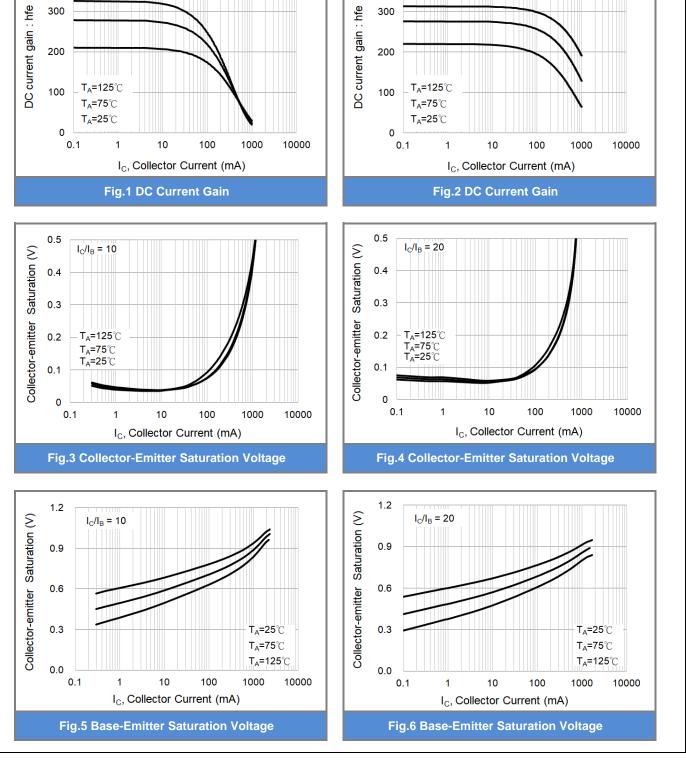
PNP

3. Emitter



Electrical Characteristics ($T_A=25^{\circ}C$ unless otherwise noted)						
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		I _C = -0.1A, I _B = -10mA	-	-	-1.0	V
(Note1)	$V_{BE(SAT)}$	I _C = -0.5A, I _B = -50mA	-	-	-1.1	
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 width300us, Duty cycle2%



400

400

PBHV9110DW

TYPICAL CHARACTERISTIC CURVES

 V_{CE} = -2V

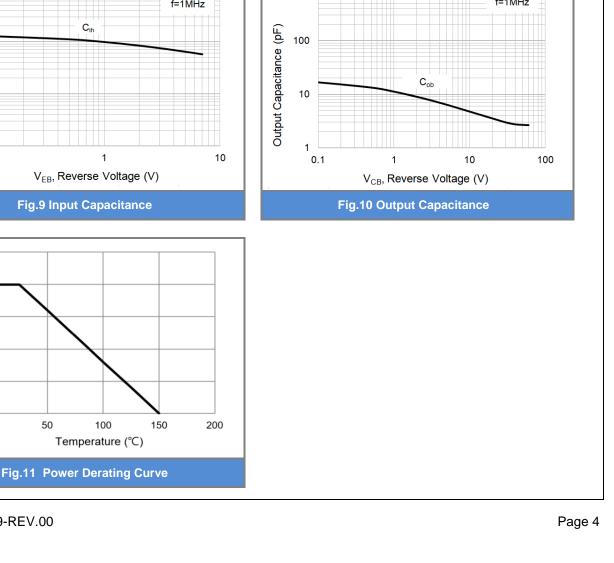
V_{CE} = -5V

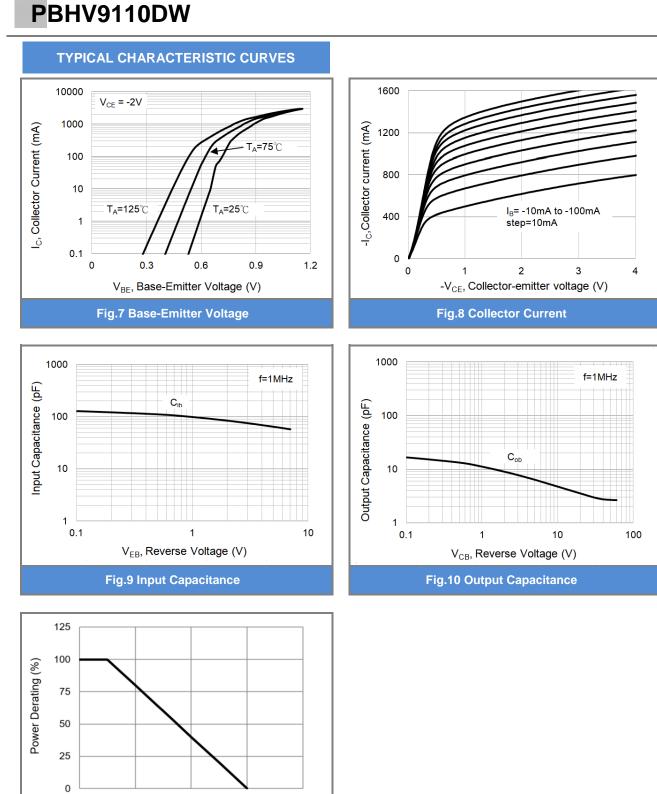
0

50

100

Temperature (°C)









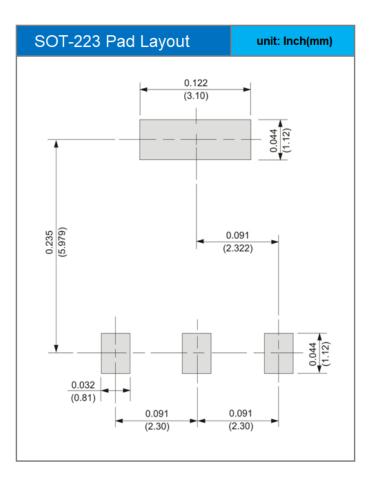




PART NO PACKING CODE VERSION

Part No Packing Code	Package Type	Packing type	Marking	Version
PBHV9110DW_R2_00001	SOT-223	2,500 pcs / 13" reel	9110DW	Halogen free

MOUNTING PAD LAYOUT





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