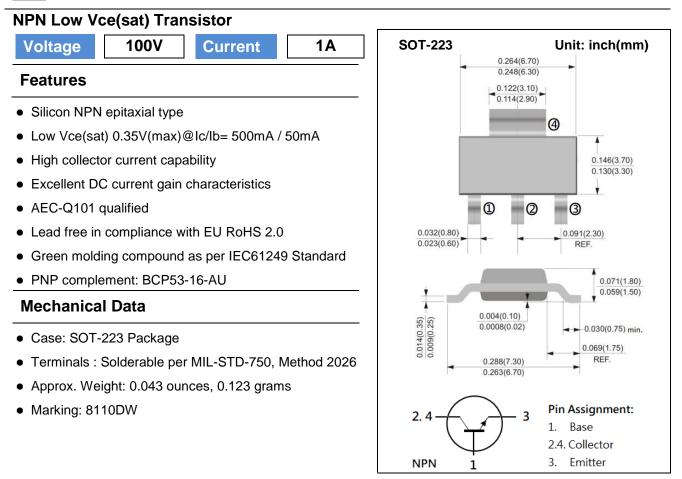
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PAN	JIT
	SEMI
	CONDUCTOR





Maximum Ratings and Thermal Characteristics (T_A=25°C unless otherwise noted)

SYMBOL	LIMIT	UNITS
V _{CBO}	120	V
V _{CEO}	100	V
V _{EBO}	6	V
Ι _C	1	А
I _{CP}	3	А
P _D	2.6	W
TJ	150	°C
T _J ,T _{STG}	-55~150	°C
$R_{ extsf{ heta}JA}$	48	°C/W
	V _{CEO} V _{EBO} I _C I _{CP} P _D T _J T _J ,T _{STG}	$\begin{tabular}{ c c c c c } \hline V_{CEO} & 100 \\ \hline V_{EBO} & 6 \\ \hline I_C & 1 \\ \hline I_{CP} & 3 \\ \hline P_D & 2.6 \\ \hline T_J & 150 \\ \hline T_J, T_{STG} & -55~150 \\ \hline \end{tabular}$

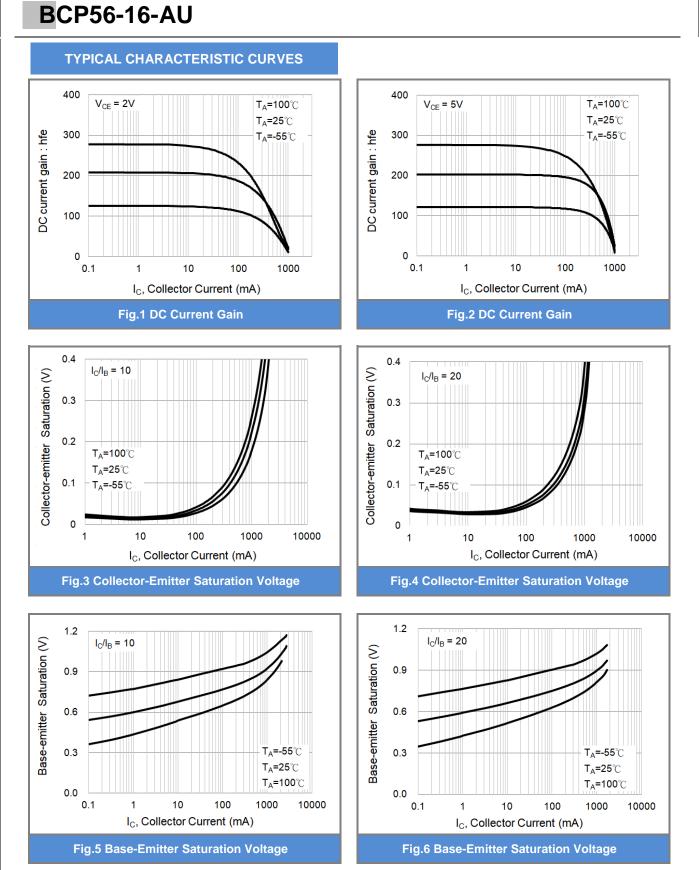


Electrical Characteristics ($T_A=25^{\circ}C$ unless otherwise noted)							
PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS	
OFF Characteristics							
Collector-Emitter Breakdown Voltage	BV_{CEO}	I _C = 10mA, I _B = 0A	100	-	-	V	
Collector-Base Breakdown Voltage	BV_{CBO}	I _C = 0.1mA, I _E = 0A	120	-	-	V	
Emitter-Base Breakdown Voltage	BV_{EBO}	I _E = 0.1mA, I _C = 0A	6	-	-	V	
Collector Cutoff Current	I _{CBO}	V _{CB} = 80V, I _E = 0A	-	-	100	nA	
Emitter Cutoff Current	I _{EBO}	V_{EB} = 6V, I_C = 0A	-	-	100	nA	
ON characteristics							
DC Current Gain (Note1)	h _{FE}	V_{CE} = 2V, I _C = 5mA	100	-	-		
		V _{CE} = 2V, I _C = 150mA	100	-	250		
		V_{CE} = 2V, I _C = 500mA	40	-	-		
Collector-Emitter Saturation Voltage (Note1)	V _{CE(SAT)}	I _C = 0.1A, I _B = 10mA	-	60	120	mV	
		I _C = 0.5A, I _B = 50mA	-	150	350		
		I _C = 1A, I _B = 0.1A	-	250	500		
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⊤	V_{CE} = 5V, I _E = -50mA	100	-	-	MHz	
Collector Output Capacitance	C _{OB}	V _{CB} = 10V, I _E = 0A, f=1MHz	-	-	10	pF	

Note: 1. Pulse width300us, Duty cycle



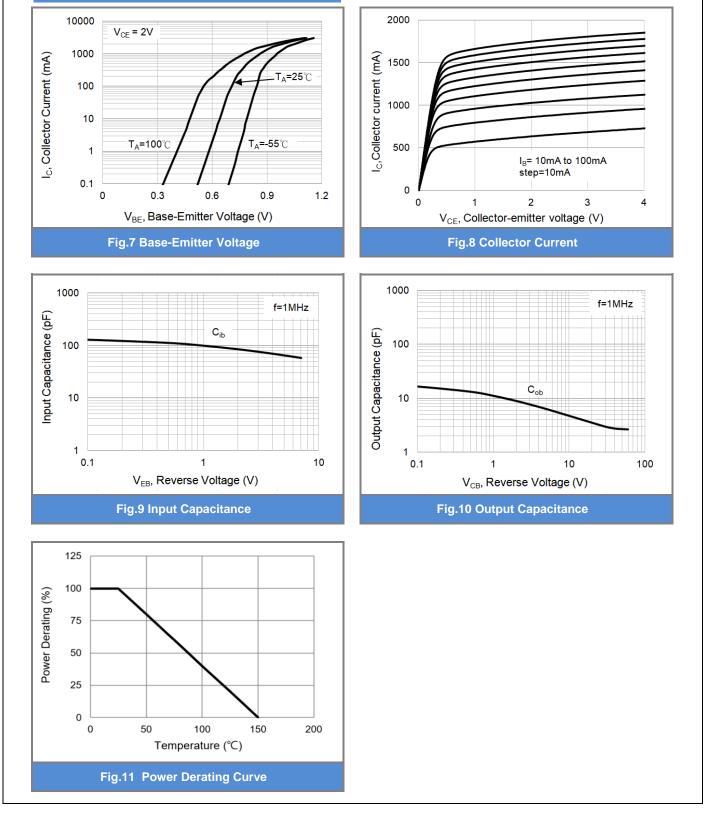
February 15,2019-REV.00







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BCP56-16-AU

TYPICAL CHARACTERISTIC CURVES

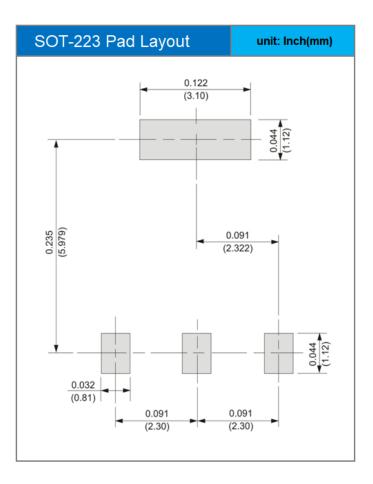




PART NO PACKING CODE VERSION

Part No Packing Code	Package Type	Packing type	Marking	Version
BCP56-16-AU_R2_000A1	SOT-223	2,500 pcs / 13" reel	8110DW	Halogen free

MOUNTING PAD LAYOUT





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