

SS9015BBU Datasheet

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DiGi Electronics Part Number	SS9015BBU-DG
Manufacturer	onsemi
Manufacturer Product Number	SS9015BBU
Description	TRANS PNP 45V 0.1A TO92-3
Detailed Description	Bipolar (BJT) Transistor PNP 45 V 100 mA 190MHz 4 50 mW Through Hole TO-92-3

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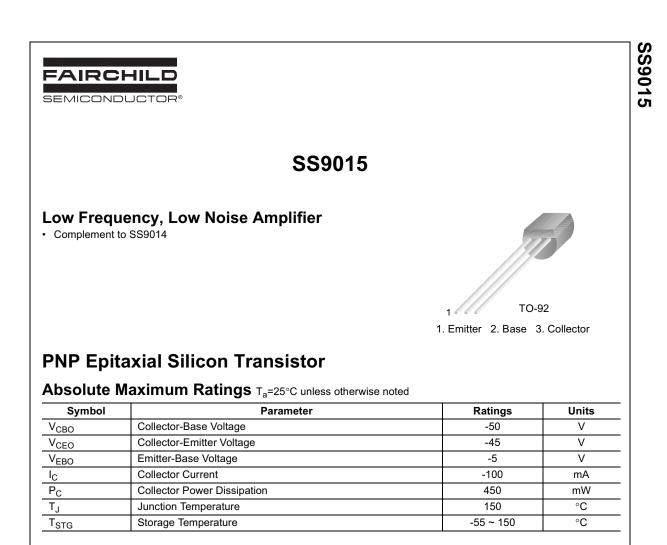


Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
SS9015BBU	onsemi
Series:	Product Status:
	Obsolete
Transistor Type:	Current - Collector (Ic) (Max):
PNP	100 mA
Voltage - Collector Emitter Breakdown (Max):	Vce Saturation (Max) @ lb, lc:
45 V	700mV @ 5mA, 100mA
Current - Collector Cutoff (Max):	DC Current Gain (hFE) (Min) @ lc, Vce:
50nA (ICBO)	100 @ 1mA, 5V
Power - Max:	Frequency - Transition:
450 mW	190MHz
Operating Temperature:	Mounting Type:
150°C (TJ)	Through Hole
Package / Case:	Supplier Device Package:
TO-226-3, TO-92-3 (TO-226AA)	TO-92-3
Base Product Number:	
SS9015	

Environmental & Export classification

Moisture Sensitivity Level (MSL):	REACH Status:
1 (Unlimited)	REACH Unaffected
ECCN:	HTSUS:
EAR99	8541.21.0075

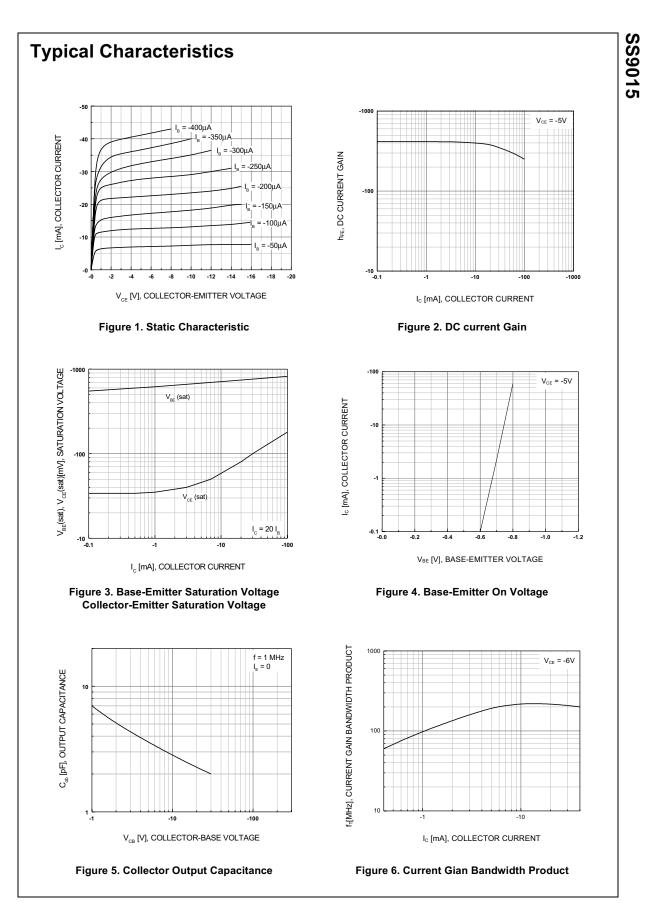


Electrical Characteristics Ta=25°C unless otherwise noted

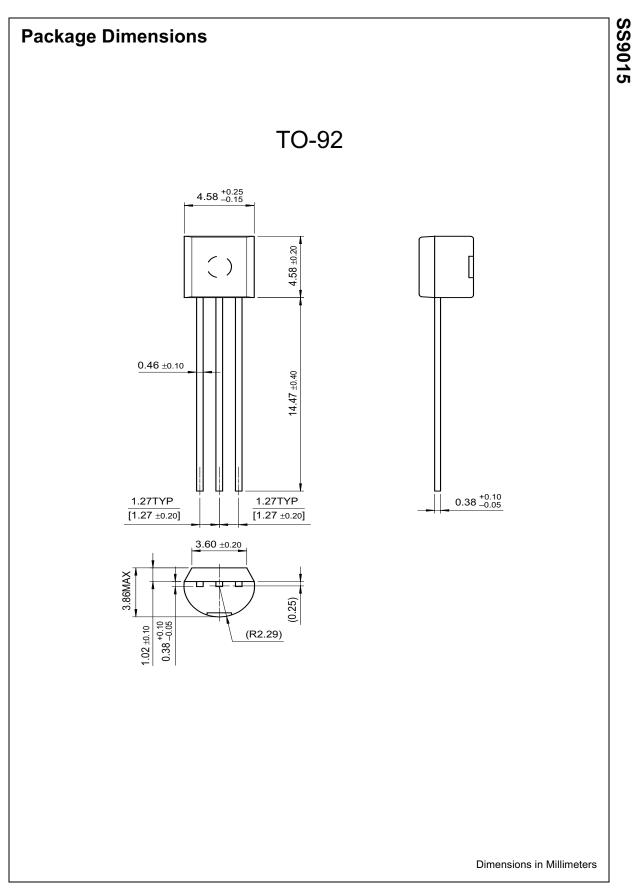
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	wn Voltage $I_{C} = -100 \mu A, I_{E} = 0$				V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = -1mA, I _B =0	-45			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = -100μA, I _C =0	-5			V
I _{CBO}	Collector Cut-off Current	V _{CB} = -50V, I _E =0			-50	nA
I _{EBO}	Emitter Cut-off Current	V _{EB} = -5V, I _C =0			-50	nA
h _{FE}	DC Current Gain	V _{CE} = -5V, I _C = -1mA	60		1000	
V _{CE} (sat)	Collector-Base Saturation Voltage	I _C = -100mA, I _B = -5mA			-0.7	
V _{BE} (sat)	Base-Emitter Saturation Voltage	I _C = -100mA, I _B = -5mA			-1.0	V
V _{BE} (on)	Base-Emitter On Voltage	V _{CE} = -5V, I _C = -2mA	-0.6		-0.75	V
C _{ob}	Output Capacitance	V _{CB} = -10V, I _E =0 f=1MHz		4.5	7.0	pF
f _T	Current Gain Bandwidth Product	V _{CE} = -5V, I _C = -10mA	100	190		MHz
NF	Noise Figure	V_{CE} = -5V, I _C = -0.2mA f=1KHz, R _S =1K Ω		0.7	10	dB

h_{FE} Classification

Classification	A	В	С	D
h _{FE}	60 ~ 150	100 ~ 300	200 ~ 600	400 ~ 1000



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CROSSVOLT™	FRFET™	MicroPak™	QFET™	SuperSOT™-8
DOME™	GlobalOptoisolator™	MICROWIRE™	QS™	SyncFET™
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E ² CMOS™	HiSeC™	MSXPro™	Quiet Series™	TruTranslation™
EnSigna™	I²C™	OCX™	RapidConfigure™	UHC™
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Programmable A	ctive Droop™	OPTOPLANAR™	SMART START™	

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Definition of Terms

Datasheet Identification	Product Status	Definition
Advance Information	Formative or In Design	This datasheet contains the design specifications for product development. Specifications may change in any manner without notice.
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