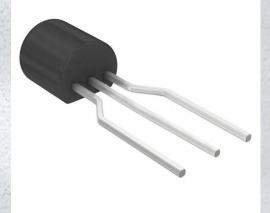


# **SS9015CTA Datasheet**

www.digi-electronics.com

Man



DiGi Electronics Part Number	SS9015CTA-DG
Manufacturer	onsemi
Manufacturer Product Number	SS9015CTA
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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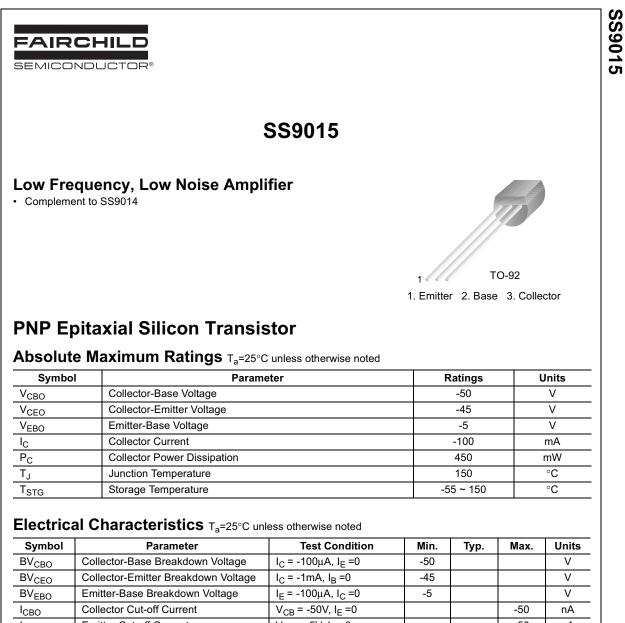


## Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
SS9015CTA	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Series:	Product Status:
	Obsolete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)	200 @ 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) Formed Leads	TO-92-3
Base Product Number:	
SS9015	

## **Environmental & Export classification**

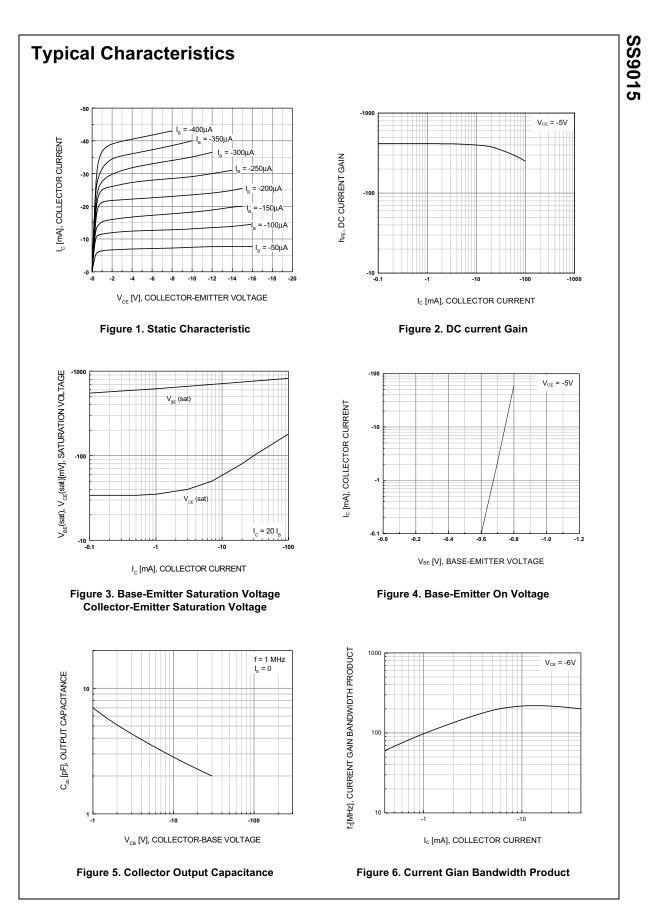
Moisture Sensitivity Level (MSL):	REACH Status:
1 (Unlimited)	REACH Unaffected
ECCN:	HTSUS:
EAR99	8541.21.0075



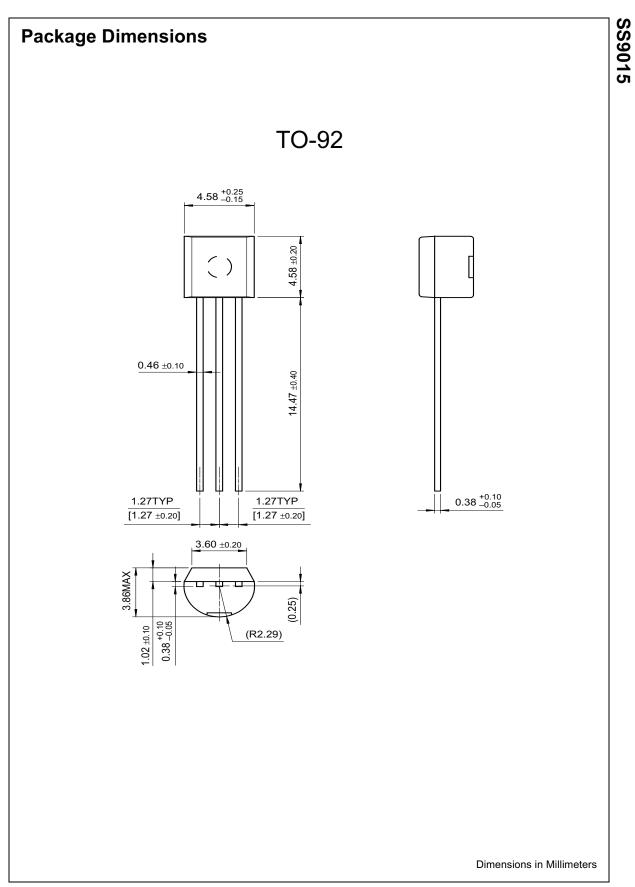
BV <sub>EBO</sub>	Emitter-Base Breakdown Voltage	I <sub>E</sub> = -100μA, I <sub>C</sub> =0	-5			V
I <sub>CBO</sub>	Collector Cut-off Current	V <sub>CB</sub> = -50V, I <sub>E</sub> =0			-50	nA
I <sub>EBO</sub>	Emitter Cut-off Current	V <sub>EB</sub> = -5V, I <sub>C</sub> =0			-50	nA
h <sub>FE</sub>	DC Current Gain	V <sub>CE</sub> = -5V, I <sub>C</sub> = -1mA	60		1000	
V <sub>CE</sub> (sat)	Collector-Base Saturation Voltage	I <sub>C</sub> = -100mA, I <sub>B</sub> = -5mA			-0.7	
V <sub>BE</sub> (sat)	Base-Emitter Saturation Voltage	I <sub>C</sub> = -100mA, I <sub>B</sub> = -5mA			-1.0	V
V <sub>BE</sub> (on)	Base-Emitter On Voltage	V <sub>CE</sub> = -5V, I <sub>C</sub> = -2mA	-0.6		-0.75	V
C <sub>ob</sub>	Output Capacitance	V <sub>CB</sub> = -10V, I <sub>E</sub> =0 f=1MHz		4.5	7.0	pF
f <sub>T</sub>	Current Gain Bandwidth Product	V <sub>CE</sub> = -5V, I <sub>C</sub> = -10mA	100	190		MHz
NF	Noise Figure	$V_{CE} = -5V, I_C = -0.2mA$ f=1KHz, R <sub>s</sub> =1KΩ		0.7	10	dB

### h<sub>FE</sub> Classification

Classification	A	В	С	D
h <sub>FE</sub>	60 ~ 150	100 ~ 300	200 ~ 600	400 ~ 1000



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2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

#### **PRODUCT STATUS DEFINITIONS**

#### **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.
Preliminary	First Production	This datasheet contains preliminary data, and supplementary data will be published at a later date. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
Obsolete	Not In Production	This datasheet contains specifications on a product that has been discontinued by Fairchild semiconductor. The datasheet is printed for reference information only.



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