

SSCP9015GS7

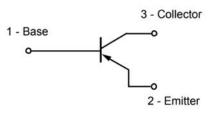
PNP Switching Transistor

\triangleright Features

VCB	VCE	VEB	IC
-50V	-45V	-5V	-100mA

Description \succ

The PNP Transistor is designed for use in linear and switching applications. The device is housed in the SOT-323 package, which is designed for telephony and professional со

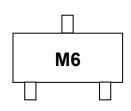


SOT-323

Pin configuration

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Circuit Diagram



Marking(Top View)

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ommu	nicat	tion equipme	ent.		

General purpose switching and amplification

Telephony and professional communication equipment

Ordering Information \geq

Applications

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Device	Package	Shipping
SSCP9015GS7	SOT-323	3000/Reel



SSCP9015GS7

➤ Absolute Maximum Ratings(T_A=25[°]C unless otherwise noted)

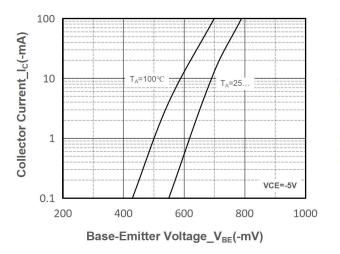
Parameter	Symbol	Value	Unit
Collector-Base Voltage	V _{CBO}	-50	V
Collector- Emitter Voltage	Vceo	-45	V
Emitter-Base Voltage	Vebo	-5	V
Collector Current-Continuous	lc	-100	mA
Collector Power Dissipation	Pc	200	mW
Junction Temperature	TJ	-55 to 150	°C
Storage Temperature	T _{STG}	-55 to 150	°C

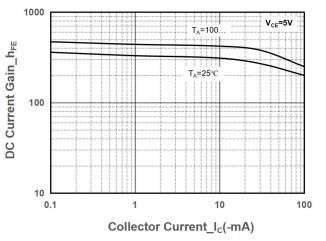
> Electrical Characteristics ($T_A=25^{\circ}C$ unless otherwise noted)

Parameter	Symbol	Test Conditions	Min.	Тур.	Max.	Unit
Collector-Base Breakdown Voltage	BV _{CBO}	I _C =-100uA, I _E =0	-50			V
Collector-emitter Breakdown Voltage	BV _{CEO}	I _C =-1mA, I _B =0	-45			V
Emitter -Base Breakdown Voltage	BV _{EBO}	I _E =-100uA, I _C =0	-5			V
Collector Cutoff Current	I _{CBO}	V _{CB} =-50V, I _E =0			-100	nA
Emitter Cutoff Current	I _{EBO}	V _{EB} =-5V, I _C =0			-100	nA
DC Current Gain	h _{FE}	V _{CE} =-5V, I _C =-1mA	200		1000	
Collector-Emitter Saturation Voltage	V _{CE (sat)}	Ic=-100mA, I _B =-10mA			-0.3	V
Base-Emitter Saturation Voltage	V _{BE (sat)}	I _C =-100mA, I _B =-10mA			-1.0	V
Transition frequency	f⊤	V _{CE} =-5V, I _C =-10mA f=30MHz	150			MHz

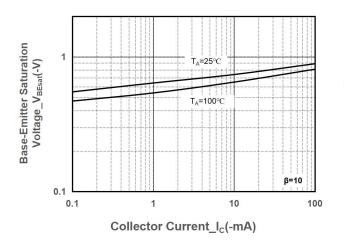


> Typical Performance Characteristics ($T_A=25^{\circ}C$ unless otherwise noted)

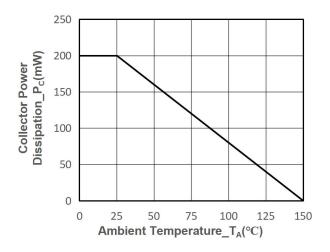




Collector Current vs. Base-Emitter Voltage

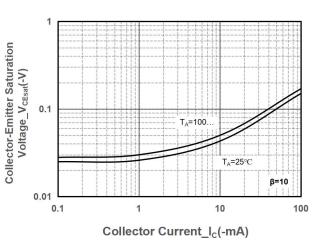




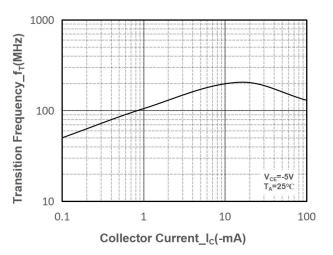




DC Current Gain vs. Collector Current







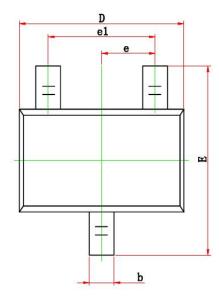
Transition Frequency vs. Collector Current

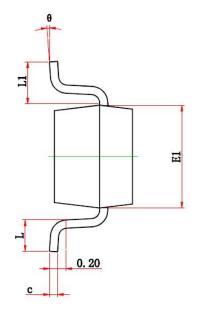


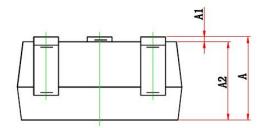
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Package Information

<u>SOT-323</u>







Symbol	Dimensions In Millimeters		Dimensions In Inches		
Symbol	Min.	Max.	Min.	Max.	
A	0.900	1.100	0.035	0.043	
A1	0.000	0.100	0.000	0.004	
A2	0.900	1.000	0.035	0.039	
b	0.200	0.400	0.008	0.016	
С	0.080	0.150	0.003	0.006	
D	2.000	2.200	0.079	0.087	
E	2.150	2.450	0.085	0.096	
E1	1.150	1.350	0.045	0.053	
е	0.650	0.650 TYP.		STYP.	
e1	1.200	1.400	0.047	0.055	
L	0.260	0.460	0.010	0.018	
L1	0.525 REF.		0.021 REF.		
θ	0°	8°	0°	8°	



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