MSKSEMI 美森科













ESD

TVS

TSS

MOV

GDT

PLED

S9015-MS

Product specification





TRANSISTOR (PNP)

FEATURES

• Complementary to S9014-MS

Reference News

PACKAGE	MARKING	
	1. BASE 2. EMITTER 3.COLLECTOR	M6
SOT-23		

MAXIMUM RATINGS (Ta=25°C unless otherwise noted)

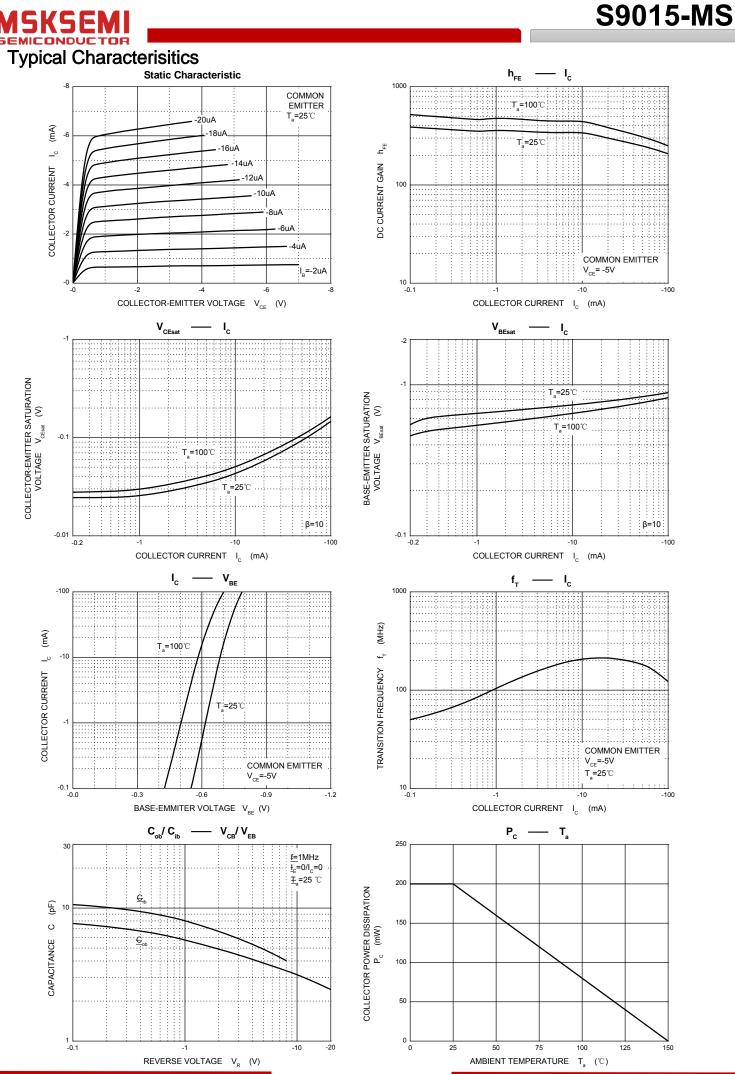
Symbol	Parameter	Value	Unit
V _{сво}	Collector-Base Voltage	-50	V
VCEO	Collector-Emitter Voltage	-45	V
VEBO	Emitter-Base Voltage	-5	V
lc	Collector Current -Continuous	-0.1	A
Pc	Collector Power Dissipation	0.2	W
Tj	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55-150	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

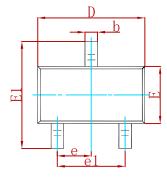
Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	lc= -100µA, I _E =0	-50			V
Collector-emitter breakdown voltage	V _(BR) CEO	lc = -0.1mA, I _B =0	-45			V
Emitter-base breakdown voltage	V _{(BR)EBO}	l _E =-100μΑ, I _C =0	-5			V
Collector cut-off current	Ісво	V _{CB} =-50 V, I _E =0			-0.1	μA
Emitter cut-off current	I _{EBO}	V _{EB} = -5V, Ic=0			-0.1	μA
DC current gain	hfe	V_{CE} =-5V, I _C =-1mA	200		1000	
Collector-emitter saturation voltage	V _{CE(sat)}	l _c =-100mA, I _B = -10mA			-0.3	V
Base-emitter saturation voltage	V _{BE(sat)}	lc=-100mA, I _в =-10mA			-1	V
Transition frequency	f⊤	V _{CE} =-5V, I _C = -10mA f=30MHz	150			MHz

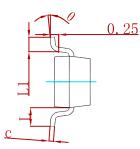
CLASSIFICATION OF hFE(1)

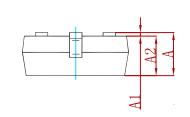
Rank	L	Н	
Range	200-450	450-1000	



PACKAGE MECHANICAL DATA

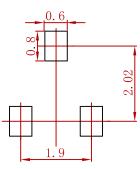






Sumbol	Dimensions In Millimeters		Dimensions In Inches		
Symbol	Min	Max	Min	Max	
А	0.900	1.150	0.035	0.045	
A1	0.000	0.100	0.000	0.004	
A2	0.900	1.050	0.035	0.041	
b	0.300	0.500	0.012	0.020	
С	0.080	0.150	0.003	0.006	
D	2.800	3.000	0.110	0.118	
E	1.200	1.400	0.047	0.055	
E1	2.250	2.550	0.089	0.100	
е	0.950 TYP		0.037	7 TYP	
e1	1.800	2.000	0.071	0.079	
L	0.550 REF		0.022	2 REF	
L1	0.300	0.500	0.012	0.020	
θ	0°	8°	0°	8°	

Suggested Pad Layout



Note: 1.Controlling dimension:in millimeters. 2.General tolerance:± 0.05mm. 3.The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
S9015-MS	SOT-23	3000



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