

Marking code: MMBTA92

encapsulation mode: SOT-23

Silicon PNP SMD triode

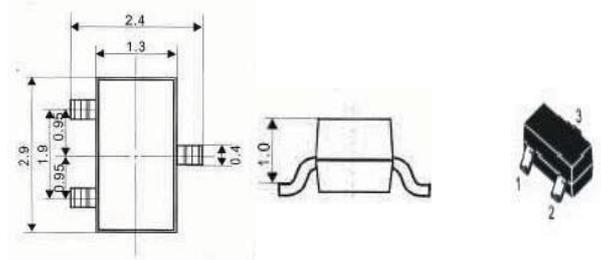
1: base 2: emitter 3: collector

High breakdown voltage

Low collector-emitter saturation voltage

Complementary to MMBTA42 (NPN)

Outline example



grade	MMBTA92
marking	2D

Maximum ratings(Ta=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Collector-Base Breakdown Voltage	VCBO	-300	V
Collector-Emitter Breakdown Voltage	VCEO	-300	V
Emitter-Base Breakdown Voltage	VEBO	-5	V
Collector Current	IC	-200	mA
Collector Power Dissipation	Pc	350	mW
Junction Temperature	TJ	150	°C
Storage Temperature	Tstg	-65~150	°C

Electrical Characteristics (Ta=25°C unless otherwise noted)

Parameter	Symbol	Test Condition	Min	Max	Unit
Collector-Base Breakdown Voltage	VCBO	IC=-100uA IE=0	-300		V
Collector Emitter Voltage	VCEO	IC=-1mA IB=0	-300		V
Emitter-Base Breakdown Voltage	VEBO	IE=-100uA IC=0	-5		V
Collector Cutoff Current	ICBO	VCB=-200V IE=0		-250	nA
Emitter Cutoff Current	IEBO	VCE=-5V IB=0		-100	nA
DC Current Gain	hFE(1)	VCE=-10V IC=-1mA	60		
	hFE(2)	VCE=-10V IC=-10mA	60	300	
	hFE(3)	VCE=-10V IC=-30mA	60		
Collector-Emitter Saturation Voltage	VCE(sat)	IC=-20mA IB=-2mA		-0.5	V
Collector-Base Saturation Voltage	VBE(sat)	IC=-20mA IB=-2mA		-0.9	V
transition frequency	fr	VCE=-20V IC=-10mA f=30MHz	50		MHz

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