



SS8550 PNP Transistors

General description SOT-23 Plastic-Encapsulate Transistors	SOT-23		
 FEATURES Complementary to S8050 Power Dissipation of 300mW High Stability and High Reliability MECHANICAL DATA SOT-23 Small Outline Plastic Package Epoxy UL: 94V-0 Mounting Position: Any 	1. BASE 2. EMITTER 3. COLLECTOR		
	Marking: Y2		

Maximum Ratings & Thermal Characteristics T_A = 25°C unless otherwise noted

Parameters	Symbol	Value	Unit
Collector-Base Voltage	Vсво	-40	V
Collector-Emitter Voltage	VCEO	-25	V
Emitter -Base Voltage	Vebo	-5	V
Collector Current-Continuous	lc	-1500	mA
Collector Power Dissipation	Pc	300	mW
Junction Temperature	Tj	150	°C
Storage Temperature	Tstg	-55-+150	°C
Thermal resistance From junction to ambient	Reja	417	°C /W

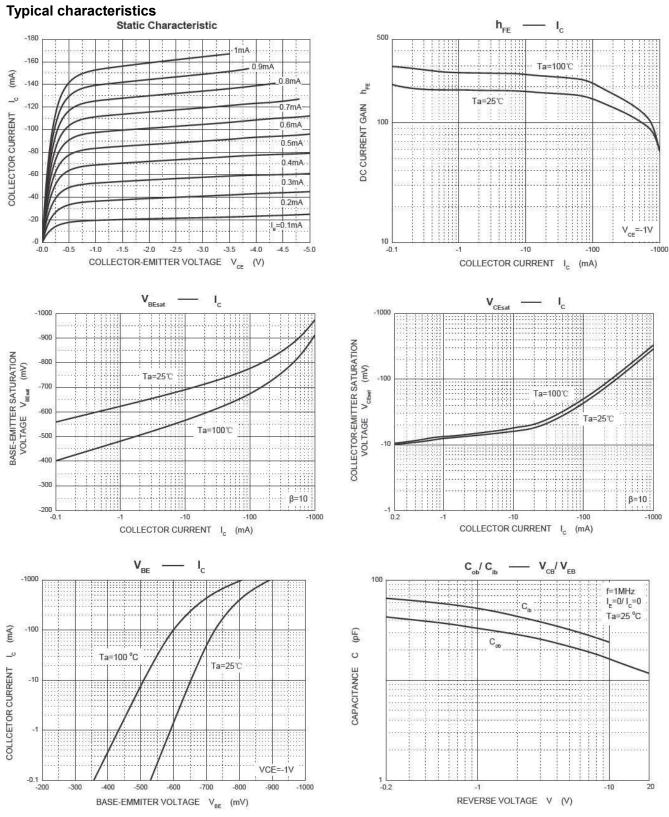
Electrical Characteristics T_A = 25°C unless otherwise noted

Parameter Symbols Test Condition	Symbols Tost Cond	Tost Condition	Li		mits Unit	
	lest condition	Min	Max			
Collector-base breakdown voltage	V(BR)CBO	IC=-100uA, IE=0	-40		V	
Collector-emitter breakdown voltage	V(BR)CEO	IC=-0.1mA, IB=0	-25		V	
Emitter-base breakdown voltage	V(BR)EBO	IE=-100uA, IC=0	-5		V	
Collector cut-off current	ICEO	VCE=-20V, IB=0		-100	nA	
Collector cut-off current	Ісво	VCB=-40V, IE=0		-100	nA	
Emitter cut-off current	IEBO	VEB=-3V, IC=0		-100	nA	
DC current gain	hFE(1)	VCE=-1V, IC=-100mA	120	400		
	hFE(2)	VCE=-1V, IC=-800mA	50			
Collector-emitter saturation voltage	VCE(sat)	IC=-800mA, IB=-80mA		-0.60	V	
Base -emitter saturation voltage	VBE(sat)	IC=-800mA, IB=-80mA		-1.20	V	
Transition frequency	fT	VCE=-1V, IC=-10mA	100		MHz	
Collector output capacitance	Cob	VCB=-10V,IE=0,f=1MHz		20	рF	

CLASSIFICATION OF hFE(1)

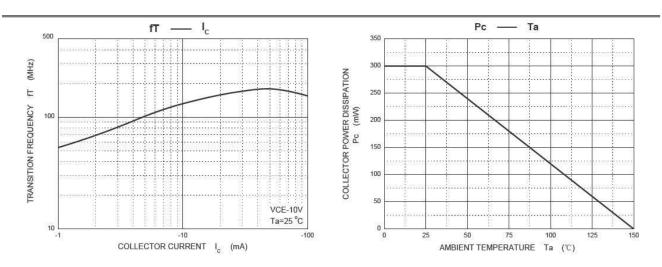
RANK	L	Н	J
RANGE	120-200	200-350	300-400



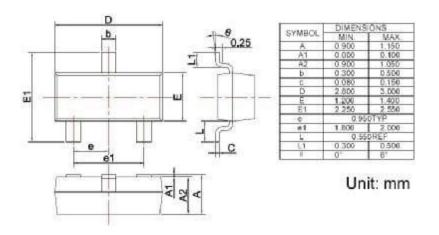




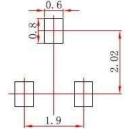




SOT-23 PACKAGE OUTLINE Plastic surface mounted package



Recommended land dimensions for SOT-23 diode. Electrode patterns for PCBs



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



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