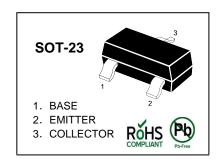


NPN Silicon Epitaxial Planar Transistor

High frequency transistor for IF and VHF applications



Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Collector-Base Voltage	V_{CBO}	30	V
Collector-Emitter Voltage	V_{CEO}	20	V
Emitter-Base Voltage	V_{EBO}	4	V
Collector Current	Ic	25	mA
Power Dissipation	P _{tot}	200	mW
Junction Temperature	T _j	150	°C
Storage Temperature Range	Ts	- 65 to + 150	°C

Characteristics at T_a = 25 °C

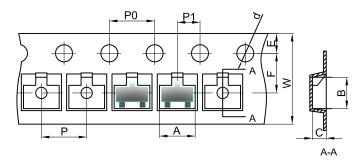
Parameter	Symbol	Min.	Тур.	Max.	Unit
DC Current Gain at $V_{CE} = 10 \text{ V}$, $I_C = 7 \text{ mA}$	h _{FE}	40	-	140	-
Collector Cutoff Current at V _{CB} = 20 V	I _{CBO}	-	-	100	nA
Emitter Cutoff Current at V _{EB} = 4 V	I _{EBO}	1	-	100	μΑ
Base Emitter Voltage at $V_{CE} = 10 \text{ V}$, $I_C = 7 \text{ mA}$	V _{BE}	1	-	0.9	V
Transition Frequency at $V_{CE} = 10 \text{ V}$, $I_C = 5 \text{ mA}$, $f = 100 \text{ MHz}$	f _T	275	450	-	MHz
Collector Base Capacitance at $V_{CB} = 10 \text{ V}$, $f = 1 \text{ MHz}$	СОВ	-	1		pF

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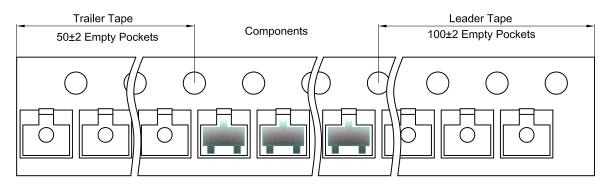
SOT-23 Tape and Reel

SOT-23 Embossed Carrier Tape

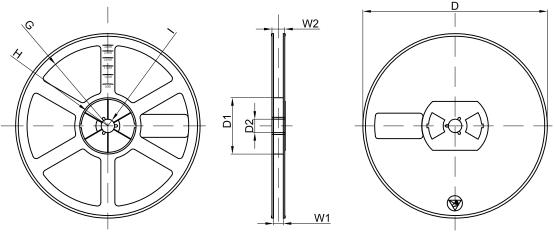


Dimensions are in millimeter										
Pkg type	Α	В	С	d	E	F	P0	Р	P1	W
SOT-23	3.15	2.77	1.22	Ø1.50	1.75	3.50	4.00	4.00	2.00	8.00

SOT-23 Tape Leader and Trailer



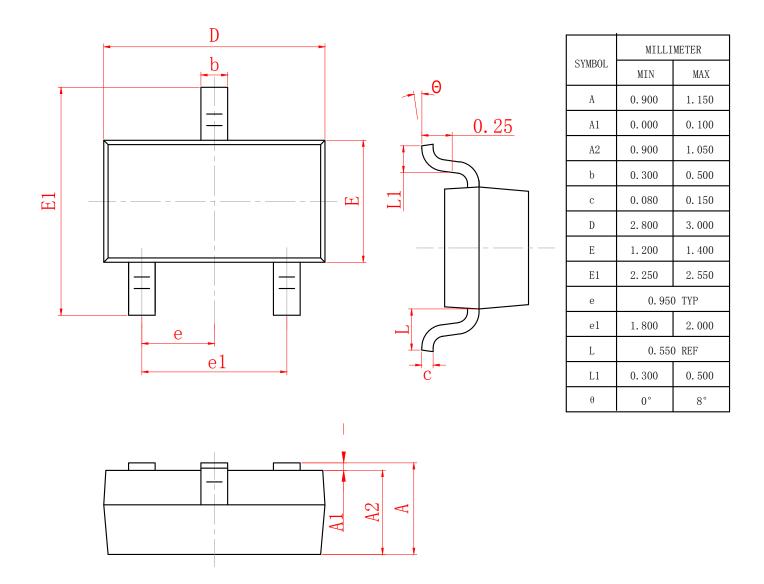




Dimensions are in millimeter								
Reel Option D D1 D2 G H I W1 W2							W2	
7"Dia	Ø178.00	54.40	13.00	R78.00	R25.60	R6.50	9.50	12.30

REEL	Reel Size	Box	Box Size(mm)	Carton	Carton Size(mm)	G.W.(kg)
3000 pcs	7 inch	45,000 pcs	203×203×195	180,000 pcs	438×438×220	

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