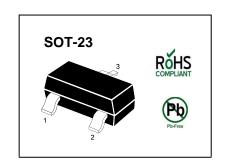


SILICON EPITAXIAL PLANAR SCHOTTKY BARRIER DIODE

for low power rectification and switching power supply

Features

- Small surface mounting type.
- · High reliability.



Marking

Marking Code: FE

Absolute Maximum Ratings (Ta = 25°C)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	40	V
DC Reverse Voltage	V_R	20	V
Mean Rectifying Current	lo	0.5	А
Peak Forward Surge Current 1)	I _{FSM}	3	Α
Junction Temperature	T _j	125	°C
Storage Temperature Range	T _s	-40 to +125	°C

¹⁾ 60Hz for 1 →

Characteristics at Ta = 25 °C

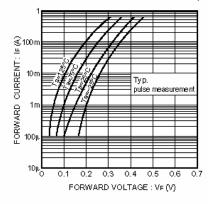
Parameter	Symbol	Min	Тур	Max	Unit
Forward Voltage					
at I _F = 10mA	V_{F}	-	-	0.3	V
at I _F = 500mA		-	-	0.5	
Reverse Current				20	
at V _R =10V	I _R	-	-	30	μA
Capacitance Between Terminals			20		nE
at V _R =10V, f=1MHz	C _T	-	20	-	pF

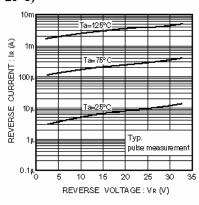
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Typical Characteristics

• Electrical characteristic curves (Ta = 25°C)





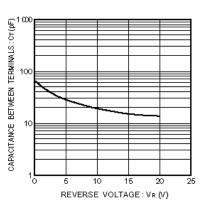


Fig. 1 Forward characteristics

Fig. 2 Reverse characteristics

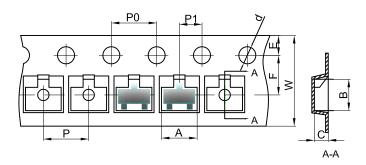
Fig. 3 Capacitance between terminals characteristic

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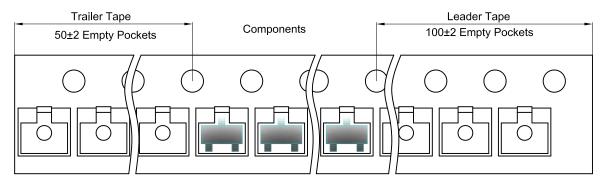
SOT-23 Tape and Reel

SOT-23 Embossed Carrier Tape

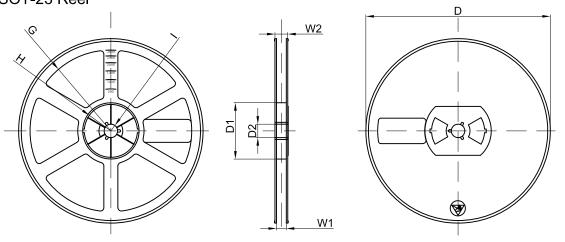


Dimensions are in millimeter										
Pkg type	Α	В	С	d	E	F	P0	Р	P1	W
SOT-23	3.15	2.77	1.22	Ø1.50	1.75	3.50	4.00	4.00	2.00	8.00

SOT-23 Tape Leader and Trailer





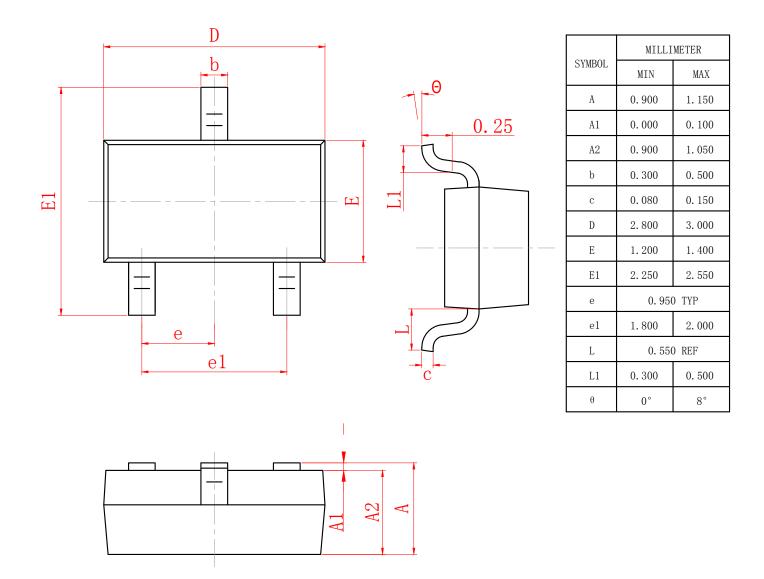


Dimensions are in millimeter								
Reel Option D D1 D2 G H I W1 W2						W2		
7"Dia	Ø178.00	54.40	13.00	R78.00	R25.60	R6.50	9.50	12.30

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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