1SS400BP

Silicon Epitaxial Planar Switching Diode

Features

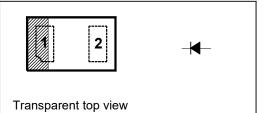
- Ultra small surface mounting type
- High reliability

Applications

• For high speed switching

PINNING

PIN	DESCRIPTION		
1	Cathode		
2	Anode		



Simplified outline DFN1006-2B and symbol

Absolute Maximum Ratings (T_a = 25°C)

Parameter	Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage	V _{RM}	90	V
Reverse Voltage	V _R	V _R 80	
Average Rectified Forward Current	I _{F(AV)}	100	mA
Peak Forward Current	I _{FM}	225	mA
Non-repetitive Peak Forward Surge Current(at t = 1 s)	I _{FSM}	500	mA
Junction Temperature	Tj	150	°C
Storage Temperature Range	T _{stg}	- 55 to + 150	°C

Characteristics at $T_a = 25$ °C

Parameter	Symbol	Min	Max.	Unit
Reverse Breakdown Voltage at $I_R = 10 \mu A$	V _{(BR)R}	80	-	V
Forward Voltage at I _F = 100 mA	VF	-	1.2	V
Reverse Current at $V_R = 80 \text{ V}$	I _R	-	0.1	μΑ
Capacitance Between Terminals at $V_R = 0.5 \text{ V}$, $f = 1 \text{ MHz}$	Ст	-	3	pF
Reverse Recovery Time at I_F = 10 mA, I_{rr} = 0.1 × I_R , V_R = 6 V, R_L = 100 Ω	t _{rr}	-	4	ns



Electrical Characteristics Curves

Fig 1. Reverse Current vs. Reverse Voltage

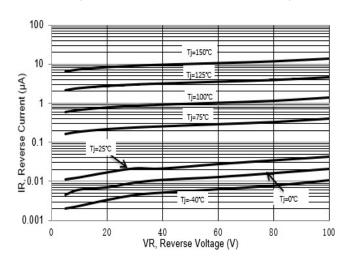


Fig 2. Forward Characteristics

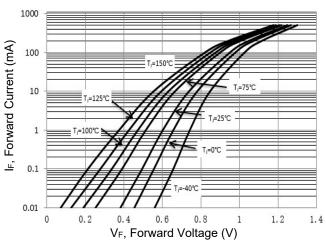
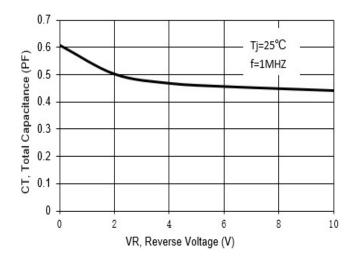


Fig 3. Total Capacitance vs. Reverse Voltage

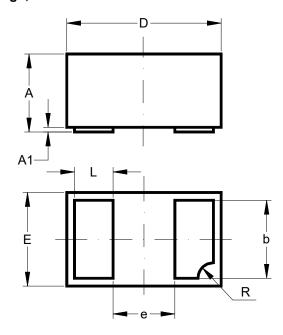




PACKAGE OUTLINE

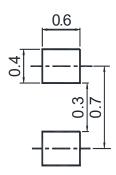
Plastic surface mounted package; 2 leads

DFN1006-2B



UNIT	А	A1	b	D	E	е	L	R
mama	0.40	0.05	0.55	1.05	0.65	0.4	0.3	0.15
mm	0.36	0	0.45	0.95	0.55		0.2	0.05

Recommended Soldering Footprint



Packing information

	r working innorn	g information							
	Package	Tape Width (mm)	Pitch		Reel	Size	Der Deel Deeleing Quentity		
			mm	inch	mm	inch	Per Reel Packing Quantity		
	DFN1006-2B	8	2 ± 0.1	0.079 ± 0.004	178	7	10,000		

Marking information

" A6 " = Part No.

" III " = Cathode Line

Font type: Arial



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