

Features

- Low reverse leakage
- High reliability
- Lead and body according with RoHS standard
- Have low capacitance, making them ideal for highspeed transmission equipment
- Will not fatigue
- Are non-degenerative
- Eliminate voltage overshoot caused by fast-rising transients
- Cannot be damaged by voltage

Mechanical Characteristics

Package: DFN3.3*3.3-2

• Epoxy: UL 94V-0 rate flame retardant

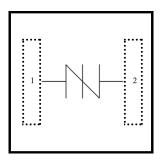
• Lead: Pure tin plated, lead free

Green compound

Applications

• Ethernet

Dimensions and Pin Configuration



Marking Information

AT4200FC

Ordering Information

Part Number	Packaging	Reel Size	
AT4200FC	5000/Tape & Reel	13 inch	



Electrical Characteristics (T_A=25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
Peak Off-state Voltage	V_{DRM}	390	V
Switching Voltage	Vs	500	V
On-state Voltage	V _T	4	V
Leakage Current	I _{DRM}	5	μΑ
Switching Current	I _S	800	mA
On-state Current	I _T	2.2	Α
Holding Current	I _H	150	mA
Off-state Capacitance	Co	65	pF
Peak Pulse Voltage (10/700μs)	V_{PP}	6000	V
Peak Pulse Current (10/1000μs)	I _{PP}	150	А

Note:

¹⁾ All measurements are made at an ambient temperature of 25°C. IPP applies to -40°C through +85°C temperature range.

²⁾ Off-state capacitance (CO) is measured at 1 MHz with a 2 V bias and is typical value.



Typical Performance Characteristics Curve

Figure 1. V-I Characteristics

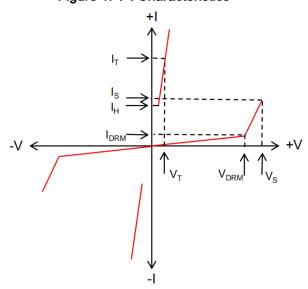


Figure 2. t_r x t_d Pulse Wave-form

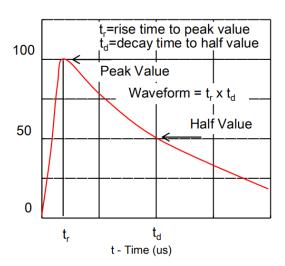


Figure 3. Normalized V_S Change versus Junction Temperature

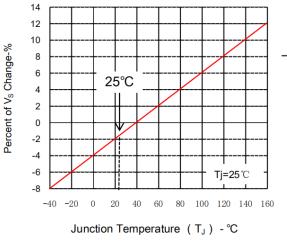
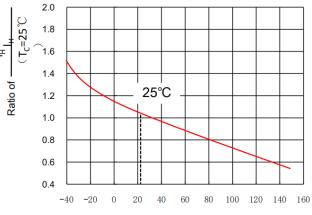


Figure 4. Normalized DC Holding Current versus Case Temperature

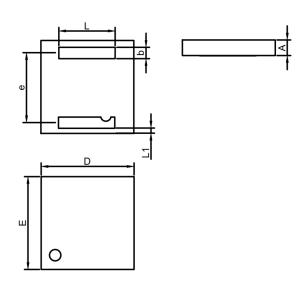


Case Temperature (T_J) - $^{\circ}$ C

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DFN3.3*3.3-2 Package Outline Drawing



	DIMENSIONS						
SYM	MILLIMETERS			INCHES			
	MIN	NOM	MAX	MIN	NOM	MAX	
Α	0.500		0.600	0.020		0.024	
D	3.250	3.300	3.350	0.128	0.130	0.132	
Е	3.250	3.300	3.350	0.128	0.130	0.132	
b	0.350	0.400	0.450	0.014	0.016	0.018	
L	1.950	2.000	2.050	0.077	0.079	0.081	
L1	0.100 REF			0.004 REF			
е	2.700 BSC			0.106 BSC			

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