Features

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

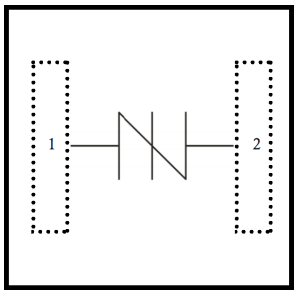
Mechanical Characteristics

- 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

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	V_S	500	V
On-state Voltage	V_T	4	V
Leakage Current	I_{DRM}	5	μA
Switching Current	I_S	800	mA
On-state Current	I_T	2.2	A
Holding Current	I_H	150	mA
Off-state Capacitance	C_O	65	pF
Peak Pulse Voltage (10/700μs)	V_{PP}	6000	V
Peak Pulse Current (10/1000μs)	I_{PP}	150	A

Note:

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

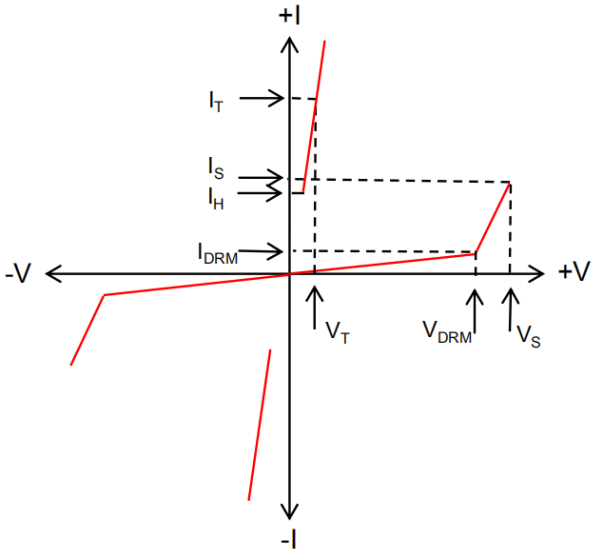


Figure 2. t_r x t_d Pulse Wave-form

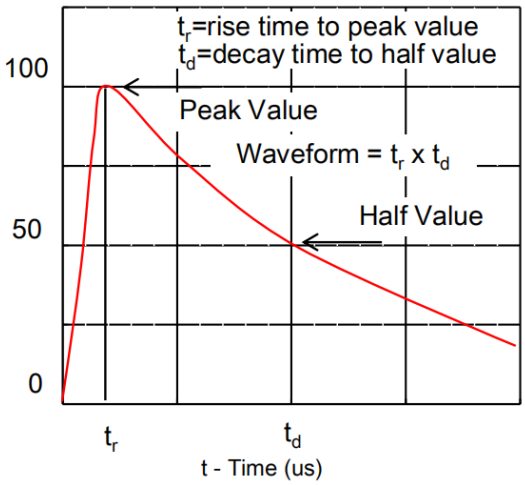


Figure 3. Normalized V_S Change versus Junction Temperature

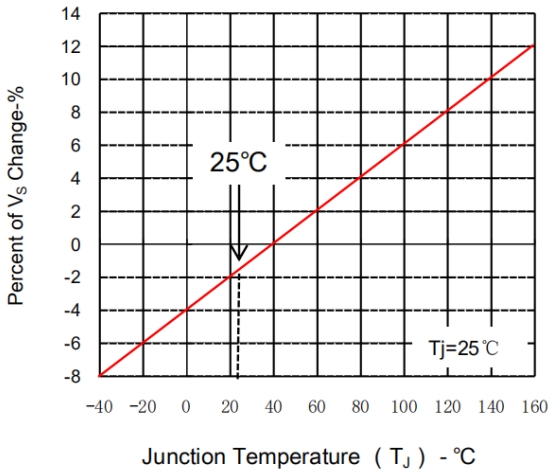
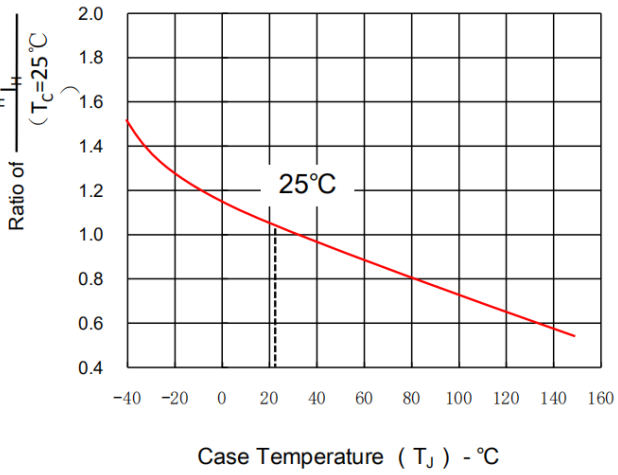
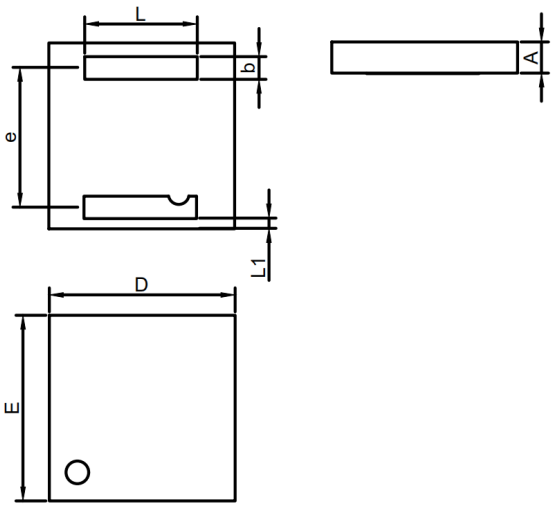


Figure 4. Normalized DC Holding Current versus Case Temperature



DFN3.3*3.3-2 Package Outline Drawing



SYM	DIMENSIONS					
	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.500	--	0.600	0.020	--	0.024
D	3.250	3.300	3.350	0.128	0.130	0.132
E	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		
e	2.700 BSC			0.106 BSC		

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