

#### 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: DO-214AA/SMB
- Epoxy: UL 94V-0 rate flame retardant
- Lead: Pure tin plated, lead free
- Green compound

### **Applications**

• Ethernet

### **Dimensions and Pin Configuration**







### **Ordering Information**

Part Number	Packaging	Reel Size
AT4200SC	3000/Tape & Reel	13 inch



# Electrical Characteristics (T<sub>A</sub>=25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
Peak Off-state Voltage	V <sub>DRM</sub>	390	V
Switching Voltage	Vs	500	V
On-state Voltage	V <sub>T</sub>	4	V
Leakage Current	I <sub>DRM</sub>	5	μA
Switching Current	I <sub>S</sub>	800	mA
On-state Current	Ι <sub>τ</sub>	2.2	А
Holding Current	Ι <sub>Η</sub>	150	mA
Off-state Capacitance	Co	65	pF
Peak Pulse Voltage (10/700µs )	V <sub>PP</sub>	6000	V
Peak Pulse Current (10/1000µs)	I <sub>PP</sub>	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**









Half Value



Case Temperature (T<sub>J</sub>) -  $^{\circ}$ C



# **DO-214AA Package Outline Drawing**



OUTLINE DIMENSIONS						
DIM	M ILLI METERS		INCHES			
	MIN	MAX	MIN	MAX		
А	1.96	2.21	0.077	0.087		
В	4.06	4.57	0.160	0.180		
С	3.30	3.94	0.130	0.155		
D	2.00	2.50	0.079	0.098		
E	0.76	1.52	0.030	0.060		
F	0.10	0.20	0.004	0.008		
G	5.08	5.59	0.200	0.220		
Н	0.15	031	0.006	0.012		

## **Suggested Land Pattern**



PAD LAYOUT DIMENSIONS					
DIM -	M ILLI METERS		INCHES		
	MIN	MAX	MIN	МАХ	
А	2.15	-	0.084	-	
В	1.45	-	0.057	-	
С	-	2.55	-	0.100	
D	1.45	-	0.057	-	

### **Contact Information**

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