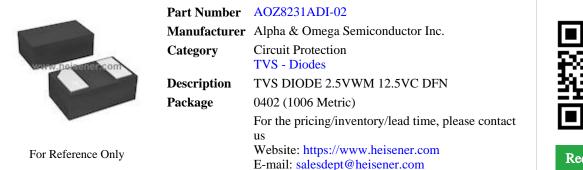


# AOZ8231ADI-02

## **AOZ8231ADI-02 Information**





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For Reference Only

## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



## **AOZ8231ADI-02 Specifications**

Manufacturer Alpha & Omega Semiconductor Inc.   Category Circuit Protection   TVS - Diodes TVS - Diodes   Package 0402 (1006 Metric)   Series -   Type Zener   Undirectional Channels -   Bidirectional Channels 1   Voltage - Reverse Standoff (Typ) 2.5V (Max)   Voltage - Breakdown (Min) 3V   Voltage - Clamping (Max) @ Ipp 12.5V   Current - Peak Pulse (10/1000µS) 6A (8/20µS)   Power Line Protection No   Applications General Purpose   Capacitance @ Frequency 5.5pF @ 1 MHz   Operating Temperature -40°C ~ 125°C (TJ)   Mounting Type Surface Mount   Package / Case 0402 (1006 Metric)   Supplier Device Package 2-DFN (1x0.6)		
CategoryCircuit ProtectionTVS - DiodesPackage0402 (1006 Metric)Series-TypeZenerUndirectional Channels-Bidirectional Channels1Voltage - Reverse Standoff (Typ)2.5V (Max)Voltage - Breakdown (Min)3VVoltage - Clamping (Max) @ Ipp12.5VCurrent - Peak Pulse (10/1000µs)6A (8/20µs)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency5.5pF @ 11MHzOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Manufacturer Part Number	AOZ8231ADI-02
TVS - DiodesPackage0402 (1006 Metric)Series-TypeZenerUnidirectional Channels-Bidirectional Channels1Voltage - Reverse Standoff (Typ)2.5V (Max)Voltage - Breakdown (Min)3VVoltage - Clamping (Max) @ Ipp12.5VCurrent - Peak Pulse (10/1000µs)6A (8/20µs)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency5.5pF @ 1MHzOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Manufacturer	Alpha & Omega Semiconductor Inc.
Package0402 (1006 Metric)Series-TypeZenerUnidirectional Channels-Bidirectional Channels1Voltage - Reverse Standoff (Typ)2.5V (Max)Voltage - Breakdown (Min)3VVoltage - Clamping (Max) @ Ipp6A (8/20µs)Current - Peak Pulse (10/1000µs)-Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency5.5pF @ 11MHzOperanting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Category	Circuit Protection
Series-TypeZenerUnidirectional Channels-Bidirectional Channels1Voltage - Reverse Standoff (Typ)2.5V (Max)Voltage - Breakdown (Min)3VVoltage - Clamping (Max) @ Ipp12.5VCurrent - Peak Pulse (10/1000µs)6A (8/20µs)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency5.5pF @ 1MHzOperating TypeSufface MountPackage / Case0402 (1006 Metric)Supplier Device Package2.5PN (1x0.6)		TVS - Diodes
TypeZenerUnidirectional Channels-Bidirectional Channels1Voltage - Reverse Standoff (Typ)2.5V (Max)Voltage - Breakdown (Min)3VVoltage - Clamping (Max) @ Ipp12.5VCurrent - Peak Pulse (10/1000µs)6A (8/20µs)Power - Peak Pulse-Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency5.5pF @ 1 MHzOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Package	0402 (1006 Metric)
AUnidirectional Channels-Bidirectional Channels1Voltage - Reverse Standoff (Typ)2.5V (Max)Voltage - Breakdown (Min)3VVoltage - Clamping (Max) @ Ipp12.5VCurrent - Peak Pulse (10/1000µs)6A (8/20µs)Power - Peak Pulse (10/100µs)-Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency5.5pF @ 1MHzOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Series	-
Bidirectional Channels1Bidirectional Channels1Voltage - Reverse Standoff (Typ)2.5V (Max)Voltage - Breakdown (Min)3VVoltage - Clamping (Max) @ Ipp12.5VCurrent - Peak Pulse (10/1000µs)6A (8/20µs)Power - Peak Pulse (10/1000µs)-Power - Peak Pulse-Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-55F @ 11MHzOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Туре	Zener
Voltage - Reverse Standoff (Typ)2.5V (Max)Voltage - Breakdown (Min)3VVoltage - Clamping (Max) @ Ipp12.5VCurrent - Peak Pulse (10/1000µs)6A (8/20µs)Power - Peak Pulse-Power - Peak PulseNoPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency5.5pF @ 1MHzOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Unidirectional Channels	-
Voltage - Breakdown (Min)3VVoltage - Clamping (Max) @ Ipp12.5VCurrent - Peak Pulse (10/1000µs)6A (8/20µs)Power - Peak Pulse-Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency5.5pF @ 1MHzOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Bidirectional Channels	1
Voltage - Clamping (Max) @ Ipp12.5VCurrent - Peak Pulse (10/1000µs)6A (8/20µs)Power - Peak Pulse-Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency5.5pF @ 1MHzOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Voltage - Reverse Standoff (Typ)	2.5V (Max)
Current - Peak Pulse (10/1000µs)6A (8/20µs)Power - Peak Pulse-Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency5.5pF @ 1MHzOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Voltage - Breakdown (Min)	3V
Power - Peak Pulse-Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency5.5pF @ 1MHzOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Voltage - Clamping (Max) @ Ipp	12.5V
Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency5.5pF @ 1MHzOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Current - Peak Pulse (10/1000µs)	6A (8/20µs)
ApplicationsGeneral PurposeCapacitance @ Frequency5.5pF @ 1MHzOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Power - Peak Pulse	-
Capacitance @ Frequency5.5pF @ 1MHzOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Power Line Protection	No
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Applications	General Purpose
Mounting TypeSurface MountPackage / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Capacitance @ Frequency	5.5pF @ 1MHz
Package / Case0402 (1006 Metric)Supplier Device Package2-DFN (1x0.6)	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package2-DFN (1x0.6)	Mounting Type	Surface Mount
	Package / Case	0402 (1006 Metric)
Report errors?	Supplier Device Package	2-DFN (1x0.6)
		Report errors?

### **AOZ8231ADI-02 Guarantees**



Quality Guarantees

We provide 90 days warranty. \* If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

## **AOZ8231ADI-02** Payment Methods



## **AOZ8231ADI-02** Shipping Methods



If you have any question about AOZ8231ADI-02, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com