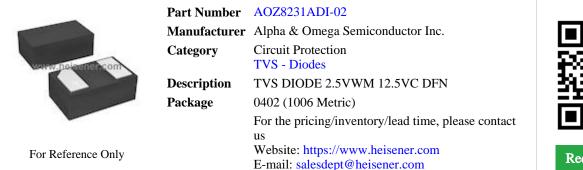


AOZ8231ADI-02

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