

## BZA462A,125

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## **BZA462A,125 Information**

| Cree               | Part Number<br>Manufacturer<br>Category<br>Description | BZA462A,125<br>Nexperia USA Inc.<br>Circuit Protection<br>TVS - Diodes<br>TVS DIODE 6.2VWM 9VC 6TSOP |  |
|--------------------|--|--|--|
|                    | Package  | SC-74, SOT-457<br>For the pricing/inventory/lead time, please contact                                |  |
| For Reference Only |  | us<br>Website: https://www.heisener.com<br>E-mail: salesdept@heisener.com                            |  |

## **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.



## **BZA462A,125** Specifications

| ManufacturerNexperia USA Inc.CategoryCircuit ProtectionTVS - DiodesTVS - DiodesPackageSC-74, SOT-457Series-TypeZenerUnidirectional Channels4Bidirectional Channels-Voltage - Reverse Standoff (Typ)6.2VVoltage - Breakdown (Min)-Current - Peak Pulse (10/1000µS)2.66A (8/20µS)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency200pF @ 1MHzOperating Temperature-Package / CaseSurface MountPackage / CaseSurface MountSupplier Device Package6-TSOP   |                                  |                    |
|---|----------------------------------|--------------------|
| CategoryCircuit ProtectionTVS - DiodesPackageSC-74, SOT-457Series-TypeZenerUnidirectional Channels4Bidirectional Channels-Voltage - Reverse Standoff (Typ)6.2VVoltage - Reverse Standoff (Typ)9VCurrent - Peak Pulse (10/1000µs)2.66A (8/20µs)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency00pF @ 11HIzOprating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSc-74, SOT-457Supplier Device Package6-TSOP                    | Manufacturer Part Number         | BZA462A,125        |
| TVS - DiodesPackageSC-74, SOT-457Series-TypeZenerUnidirectional Channels4Bidirectional Channels-Voltage - Reverse Standoff (Typ)6.2VVoltage - Breakdown (Min)-Voltage - Clamping (Max) @ Ipp9VCurrent - Peak Pulse (10/1000µs)2.66A (8/20µs)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency200pF @ 1MHzOperating Temperature6.5°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSc-74, SOT-457Supplier Device Package6-TSOP                     | Manufacturer                     | Nexperia USA Inc.  |
| PackageSC-74, SOT-457Series-TypeZenerUnidirectional Channels4Bidirectional Channels-Voltage - Reverse Standoff (Typ)6.2VVoltage - Breakdown (Min)-Voltage - Clamping (Max) @ Ipp9VCurrent - Peak Pulse (10/1000µs)2.66A (8/20µs)Power - Peak Pulse24WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency200pF @ 11MHzOperating Temperature6.5°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSC-74, SOT-457Supplier Device Package6-TSOP           | Category                         | Circuit Protection |
| Series-TypeZenerUndirectional Channels4Bidirectional Channels-Voltage - Reverse Standoff (Typ)6.2VVoltage - Breakdown (Min)-Voltage - Clamping (Max) @ Ipp9VCurrent - Peak Pulse (10/1000µs)2.66A (8/20µs)Power - Peak Pulse24WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency200pF @ 11MHzOperating TypeSurface MountPackage / CaseSurface MountSupplier Device Package6-TSOP  |                                  | TVS - Diodes       |
| TypeZenerUndirectional Channels4Bidirectional Channels-Voltage - Reverse Standoff (Typ)6.2VVoltage - Breakdown (Min)-Voltage - Clamping (Max) @ Ipp9VCurrent - Peak Pulse (10/1000µs)2.66A (8/20µs)Power - Peak Pulse24WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency200pF @ 1MHzOperating TemperatureSurface MountPackage / CaseSurface MountSupplier Device Package6-TSOP   | Package                          | SC-74, SOT-457     |
| Unidirectional Channels4Bidirectional Channels-Voltage - Reverse Standoff (Typ)6.2VVoltage - Breakdown (Min)-Voltage - Clamping (Max) @ Ipp9VCurrent - Peak Pulse (10/100µs)2.66A (8/20µs)Power - Peak Pulse (10/100µs)24WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency200pF @ 11MHzOperating TemperatureSurface MountPackage / CaseSurface MountSupplier Device Package6-TSOP  | Series                           | -                  |
| Bidirectional Channels-Bidirectional Channels6.2VVoltage - Reverse Standoff (Typ)6.2VVoltage - Breakdown (Min)-Voltage - Clamping (Max) @ Ipp9VCurrent - Peak Pulse (10/1000µs)2.66A (8/20µs)Power - Peak Pulse (10/1000µs)24WPower - Peak PulseNoPower Line ProtectionGeneral PurposeApplicationsGeneral PurposeCapacitance @ Frequency200pF @ 11MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSC-74, SOT-457Supplier Device Package6-TSOP | Туре                             | Zener              |
| Voltage - Reverse Standoff (Typ)6.2VVoltage - Breakdown (Min)-Voltage - Clamping (Max) @ Ipp9VCurrent - Peak Pulse (10/1000µs)2.66A (8/20µs)Power - Peak Pulse (10/1000µs)24WPower - Peak Pulse0Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency200pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSC-74, SOT-457Supplier Device Package6-TSOP   | Unidirectional Channels          | 4                  |
| Voltage - Breakdown (Min)-Voltage - Clamping (Max) @ Ipp9VCurrent - Peak Pulse (10/1000µs)2.66A (8/20µs)Power - Peak Pulse24WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency200pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSC-74, SOT-457Supplier Device Package6-TSOP  | Bidirectional Channels           | -                  |
| Voltage - Clamping (Max) @ Ipp9VCurrent - Peak Pulse (10/1000µs)2.66A (8/20µs)Power - Peak Pulse24WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency200pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSC-74, SOT-457Supplier Device Package6-TSOP  | Voltage - Reverse Standoff (Typ) | 6.2V               |
| Current - Peak Pulse (10/1000µs)2.66A (8/20µs)Power - Peak Pulse24WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency200pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSC-74, SOT-457Supplier Device Package6-TSOP  | Voltage - Breakdown (Min)        | -                  |
| Power - Peak Pulse24WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency200pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSC-74, SOT-457Supplier Device Package6-TSOP  | Voltage - Clamping (Max) @ Ipp   | 9V                 |
| Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency200pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSC-74, SOT-457Supplier Device Package6-TSOP   | Current - Peak Pulse (10/1000µs) | 2.66A (8/20µs)     |
| ApplicationsGeneral PurposeCapacitance @ Frequency200pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSC-74, SOT-457Supplier Device Package6-TSOP  | Power - Peak Pulse               | 24W                |
| Capacitance @ Frequency200pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSC-74, SOT-457Supplier Device Package6-TSOP   | Power Line Protection            | No                 |
| Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSC-74, SOT-457Supplier Device Package6-TSOP  | Applications                     | General Purpose    |
| Mounting TypeSurface MountPackage / CaseSC-74, SOT-457Supplier Device Package6-TSOP   | Capacitance @ Frequency          | 200pF @ 1MHz       |
| Package / Case SC-74, SOT-457   Supplier Device Package 6-TSOP  | Operating Temperature            | -65°C ~ 150°C (TJ) |
| Supplier Device Package 6-TSOP  | Mounting Type                    | Surface Mount      |
|   | Package / Case                   | SC-74, SOT-457     |
| Report errors?  | Supplier Device Package          | 6-TSOP             |
|   |                                  | Report errors?     |

#### **BZA462A,125** 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 EUARANTEE

#### **Service Guarantees**

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

#### **BZA462A,125** Payment Methods



## **BZA462A,125** Shipping Methods



If you have any question about BZA462A,125, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com