

# DSEI2X30-10B

### **DSEI2X30-10B Information**

| www.tejsener.com   | Part Number  | DSEI2X30-10B  |
|--------------------|--------------|---|
|                    | Manufacturer | IXYS  |
|                    | Category     | Discrete Semiconductor Products<br>Diodes - Rectifiers - Arrays           |
|                    | Description  | DIODE MODULE 1KV 30A SOT227B  |
|                    | Package      | SOT-227-4, miniBLOC   |
|                    |              | For the pricing/inventory/lead time, please contact                       |
| For Reference Only |              | us<br>Website: https://www.heisener.com<br>E-mail: salesdept@heisener.com |



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# **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.



# **DSEI2X30-10B** Specifications

| Manufacturer Part NumberDSEI2X30-10BManufacturerKYSCategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - ArraysDiodes - Rectifiers - ArraysPackageSOT-227-4, miniBLOCSeries-Diode Configuration2 IndependentDiode TypeStandardVoltage - DC Reverse (Vr) (Max)1000VCurrent - Average Rectified (Io) (per Diode)30ASpeedFast Recovery = 500ns, > 200mA (Io)SpeedSonsCurrent - Reverse Leakage @ Vr50nsOperating Temperature - Junction-Mounting TypeChassis MountPackage / CaseSOT-227-4, miniBLOCSupplier DerekageSOT-227-B         |  |                                      |
|---|--|--------------------------------------|
| CategoryDiscrete Semiconductor ProductsCategoryDiodes - Rectifiers - ArraysPackageSOT-227-4, miniBLOCSeries-Diode Configuration2 IndependentDiode TypeStandardVoltage - DC Reverse (Vr) (Max)1000VCurrent - Average Rectified (Io) (per Diode)30AVoltage - Forward (Vf) (Max) @ If2.4V @ 30ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)50nsCurrent - Reverse Leakage @ Vr750µA @ 1000VOperating Temperature - Junction-Mounting TypeChasis MountPackage / CaseSOT-227-4, miniBLOCSupplier Device PackageSOT-227B | Manufacturer Part Number                     | DSEI2X30-10B                         |
| Diodes - Rectifiers - ArraysPackageSOT-227-4, miniBLOCSeries-Diode Configuration2 IndependentDiode TypeStandardVoltage - DC Reverse (Vr) (Max)1000VCurrent - Average Rectified (Io) (per Diode)30AVoltage - Forward (Vf) (Max) @ If2.4V @ 30ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)50nsCurrent - Reverse Leakage @ Vr750µA @ 1000VOperating Temperature - Junction-Mounting TypeChassis MountPackage / CaseSOT-227-4, minBLOCSupplier Device PackageSOT-227B  | Manufacturer                                 | IXYS                                 |
| PackageSOT-227-4, miniBLOCSeries-Diode Configuration2 IndependentDiode TypeStandardVoltage - DC Reverse (Vr) (Max)1000VCurrent - Average Rectified (Io) (per Diode)30AVoltage - Forward (Vf) (Max) @ If2.4V @ 30ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trrr)50nsCurrent - Reverse Leakage @ Vr750µA @ 1000VOperating Temperature - Junction-Mounting TypeChasis MountPackage / CaseSOT-227-4, miniBLOCSupplier Device PackageSOT-227B   | Category                                     | Discrete Semiconductor Products      |
| Series-Sories-Diode Configuration2 IndependentDiode TypeStandardVoltage - DC Reverse (Vr) (Max)1000VCurrent - Average Rectified (Io) (per Diode)30AVoltage - Forward (Vf) (Max) @ If2.4V @ 30ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)50nsCurrent - Reverse Leakage @ Vr50nsOperating Temperature - Junction-Mounting TypeChasis MountPackage / CaseS0T-227-4, miniBLOCSupplier Device PackageS0T-227B  |  | Diodes - Rectifiers - Arrays         |
| Diode Configuration2 IndependentDiode TypeStandardVoltage - DC Reverse (Vr) (Max)1000VCurrent - Average Rectified (Io) (per Diode)30AVoltage - Forward (Vf) (Max) @ If2.4V @ 30ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)50nsCurrent - Reverse Leakage @ Vr50nsOperating Temperature - Junction-Mounting TypeChassis MountPackage / CaseS0T-227-4, miniBLOCSupplier Device PackageSOT-227B   | Package                                      | SOT-227-4, miniBLOC                  |
| Diode TypeStandardDiode TypeStandardVoltage - DC Reverse (Vr) (Max)1000VCurrent - Average Rectified (Io) (per Diode)30AVoltage - Forward (Vf) (Max) @ If2.4V @ 30ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)50nsCurrent - Reverse Leakage @ Vr750µA @ 1000VOperating Temperature - Junction-Mounting TypeChassis MountPackage / CaseS0T-227-4, miniBLOCSupplier Device PackageS0T-227B  | Series                                       | -                                    |
| Voltage - DC Reverse (Vr) (Max)1000VCurrent - Average Rectified (Io) (per Diode)30AVoltage - Forward (Vf) (Max) @ If2.4V @ 30ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)50nsCurrent - Reverse Leakage @ Vr750µA @ 1000VOperating Temperature - Junction-Mounting TypeChassis MountPackage / CaseSOT-227-4, miniBLOCSupplier Device PackageSOT-227B  | Diode Configuration                          | 2 Independent                        |
| Current - Average Rectified (Io) (per Diode)30AVoltage - Forward (Vf) (Max) @ If2.4V @ 30ASpeedFast Recovery = < 500ns, > 200mA (Io)Reverse Recovery Time (trr)50nsCurrent - Reverse Leakage @ Vr750µA @ 1000VOperating Temperature - Junction-Mounting TypeChassis MountPackage / CaseS0T-227-4, miniBLOCSupplier Device PackageS0T-227B   | Diode Type                                   | Standard                             |
| Voltage - Forward (Vf) (Max) @ If2.4V @ 30ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)50nsCurrent - Reverse Leakage @ Vr750μA @ 1000VOperating Temperature - Junction-Mounting TypeChassis MountPackage / CaseSOT-227-4, miniBLOCSupplier Device PackageSOT-227B   | Voltage - DC Reverse (Vr) (Max)              | 1000V                                |
| SpeedFast Recovery = < 500ns, > 200mA (Io)Reverse Recovery Time (trr)50nsCurrent - Reverse Leakage @ Vr750μA @ 1000VOperating Temperature - Junction-Mounting TypeChassis MountPackage / CaseSOT-227-4, miniBLOCSupplier Device PackageSOT-227B   | Current - Average Rectified (Io) (per Diode) | 30A                                  |
| Reverse Recovery Time (trr)50nsCurrent - Reverse Leakage @ Vr750µA @ 1000VOperating Temperature - Junction-Mounting TypeChassis MountPackage / CaseSOT-227-4, miniBLOCSupplier Device PackageSOT-227B   | Voltage - Forward (Vf) (Max) @ If            | 2.4V @ 30A                           |
| Current - Reverse Leakage @ Vr750μA @ 1000VOperating Temperature - Junction-Mounting TypeChassis MountPackage / CaseSOT-227-4, miniBLOCSupplier Device PackageSOT-227B  | Speed  | Fast Recovery =< 500ns, > 200mA (Io) |
| Operating Temperature - Junction-Mounting TypeChassis MountPackage / CaseSOT-227-4, miniBLOCSupplier Device PackageSOT-227B   | Reverse Recovery Time (trr)                  | 50ns                                 |
| Mounting TypeChassis MountPackage / CaseSOT-227-4, miniBLOCSupplier Device PackageSOT-227B  | Current - Reverse Leakage @ Vr               | 750µA @ 1000V                        |
| Package / CaseSOT-227-4, miniBLOCSupplier Device PackageSOT-227B  | Operating Temperature - Junction             | -                                    |
| Supplier Device Package SOT-227B  | Mounting Type                                | Chassis Mount                        |
|   | Package / Case                               | SOT-227-4, miniBLOC                  |
| Papart arrors?  | Supplier Device Package                      | SOT-227B                             |
| Kepoit enois?   |  | Report errors?                       |

#### **DSEI2X30-10B** 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 BUARANTEE

#### **Service Guarantees**

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

#### **DSEI2X30-10B** Payment Methods



## **DSEI2X30-10B** Shipping Methods



If you have any question about DSEI2X30-10B, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com