

TSPB20U80S S1G

Quote

TSPB20U80S S1G Information

| C Heisener.com | Part Number | TSPB20U80S S1G | |
|--------------------|--------------|---------------------------------------------------------------------------|-------------|
| | Manufacturer | TSC America Inc. | ELEN. |
| | Category | Discrete Semiconductor Products Diodes - Rectifiers - Single | |
| | Description | DIODE, SCHOTTKY, TRENCH, 20A, 80 | |
| | Package | TO-277, 3-PowerDFN | - 10 A A |
| | | For the pricing/inventory/lead time, please contact | lei Sur M |
| For Reference Only | | us Website: https://www.heisener.com E-mail: salesdept@heisener.com | Request a (|

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.



TSPB20U80S S1G Specifications

| ManufacturerTSC America Inc.CategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageTO-277, 3-PowerDFNSeries-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)80VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If640m V @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr300 μ A @ 80VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseTO-277, 3-PowerDFNSupplier Device PackageSMPC4.0Operating Temperature - Junction-55°C ~ 150°C | | |
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| Series-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)80VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If640mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr300µA @ 80VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseTO-277, 3-PowerDFNSupplier Device PackageSMPC4.0Operating Temperature - Junction-55°C ~ 150°C | | Diodes - Rectifiers - Single |
| Diode TypeSchottkyDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)80VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If640mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr300µA @ 80VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseTO-277, 3-PowerDFNSupplier Device PackageSMPC4.0Operating Temperature - Junction-55°C ~ 150°C | Package | TO-277, 3-PowerDFN |
| Voltage - DC Reverse (Vr) (Max)80VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If640mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr300μA @ 80VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseTO-277, 3-PowerDFNSupplier Device PackageSMPC4.0Operating Temperature - Junction-55°C ~ 150°C | Series | - |
| Current - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If640mV @ 20ASpeedFast Recovery = < 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr300μA @ 80VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseTO-277, 3-PowerDFNSupplier Device PackageSMPC4.0Operating Temperature - Junction-55°C ~ 150°C | Diode Type | Schottky |
| Voltage - Forward (Vf) (Max) @ If640mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr300µA @ 80VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseTO-277, 3-PowerDFNSupplier Device PackageSMPC4.0Operating Temperature - Junction-55°C ~ 150°C | Voltage - DC Reverse (Vr) (Max) | 80V |
| SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr300µA @ 80VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseTO-277, 3-PowerDFNSupplier Device PackageSMPC4.0Operating Temperature - Junction-55°C ~ 150°C | Current - Average Rectified (Io) | 20A |
| Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr300µA @ 80VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseTO-277, 3-PowerDFNSupplier Device PackageSMPC4.0Operating Temperature - Junction-55°C ~ 150°C | Voltage - Forward (Vf) (Max) @ If | 640mV @ 20A |
| Current - Reverse Leakage @ Vr300µA @ 80VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseTO-277, 3-PowerDFNSupplier Device PackageSMPC4.0Operating Temperature - Junction-55°C ~ 150°C | Speed | Fast Recovery =< 500ns, > 200mA (Io) |
| Capacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseTO-277, 3-PowerDFNSupplier Device PackageSMPC4.0Operating Temperature - Junction-55°C ~ 150°C | Reverse Recovery Time (trr) | - |
| Mounting TypeSurface MountPackage / CaseTO-277, 3-PowerDFNSupplier Device PackageSMPC4.0Operating Temperature - Junction-55°C ~ 150°C | Current - Reverse Leakage @ Vr | 300µA @ 80V |
| Package / CaseTO-277, 3-PowerDFNSupplier Device PackageSMPC4.0Operating Temperature - Junction-55°C ~ 150°C | Capacitance @ Vr, F | - |
| Supplier Device PackageSMPC4.0Operating Temperature - Junction-55°C ~ 150°C | Mounting Type | Surface Mount |
| Operating Temperature - Junction -55°C ~ 150°C | Package / Case | TO-277, 3-PowerDFN |
| | Supplier Device Package | SMPC4.0 |
| Report errors? | Operating Temperature - Junction | -55°C ~ 150°C |
| | | Report errors? |

TSPB20U80S S1G 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.

TSPB20U80S S1G Payment Methods





If you have any question about TSPB20U80S S1G, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com