

## DS75S/T&R

#### DS75S/T&R Information

| www.netsener.com   | <br>DS75S/T&R<br>Maxim Integrated<br>Sensors, Transducers<br>Temperature Sensors, Transducers<br>SENSOR TEMPERATURE I2C 8SOIC<br>8-SOIC (0.154", 3.90mm Width)<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                                                                                                                                             | Request a Quote |

## **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.



## DS75S/T&R Specifications

| Series-Sensor TypeDigital, LocalSensing Temperature - Local-55°C ~ 125°CSensing Temperature -<br>Remote-Output TypeI2COutput Type2.7 V ~ 5.5 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Shutdown Mode, Standby<br>ModeAccuracy - Highest (Lowest)±2°C (±3°C)Test Condition-25°C ~ 100°C (-55°C ~ 125°C)Operating Temperature55°C ~ 125°CMounting TypeSurface Mount                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |                                  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------|--|--|
| CategorySensors, TransducersTemperature Sensors, TransducersPackage8-SOIC (0.154", 3.90mm Width)Series-Sensor TypeDigital, LocalSensing Temperature - Local-55°C ~ 125°CSensing Temperature - Local-Sensing Temperature - Local-Sens | Manufacturer Part Number    | DS75S/T&R                        |  |  |
| Temperature Sensors, TransducersPackage8-SOIC (0.154", 3.90mm Width)Series-Sensor TypeDigital, LocalSensing Temperature - Local-55°C ~ 125°CSensing Temperature -<br>RemoteOutput TypeI2CVoltag - Supply2.7 V ~ 5.5 VResolution11 bFeaturesWodeAccuracy - Highest (Lowest)±2°C (±3°C)Operating Temperature-55°C ~ 125°COperating Temperature-55°C ~ 125°CAccuracy - Highest (Lowest)±2°C (±3°C)Operating Temperature-55°C ~ 125°CAccuracy - Highest (Lowest)±2°C (±3°C)Operating Temperature-55°C ~ 125°CAccuracy - Highest (Lowest)±2°C (±3°C)Operating Temperature-55°C ~ 125°CAccuracy - Highest (Lowest)50°C ~ 125°CSurface MountSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC                                                                                                                                                                                                                                                                                                                                                       | Manufacturer                | Maxim Integrated                 |  |  |
| Package8-SOIC (0.154", 3.90mm Width)Series-Sensor TypeDigital, LocalSensing Temperature - Local-55°C ~ 125°CSensing Temperature -<br>Remote-Output TypeI2CVoltage - Supply2.7 V ~ 5.5 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Shutdown Mode, Standby<br>ModeAccuracy - Highest (Lowest)±2°C (±3°C)Operating Temperature-55°C ~ 125°C ~ 125°C)Operating TemperatureSufface MountAcound TypeSufface MountSupplier Device Package8-SOIC (0.154", 3.90mm Width)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Category                    | Sensors, Transducers             |  |  |
| Series-Sensor TypeDigital, LocalSensing Temperature - Local-55°C ~ 125°CSensing Temperature -<br>Remote-Output Type-Voltage - Supply12CVoltage - Supply2.7 V ~ 5.5 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Shutdown Mode, Standby<br>ModeAccuracy - Highest (Lowest) $\pm 2°C (\pm 3°C)$ Yest Condition-55°C ~ 125°C ~ 125°COperating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                             | Temperature Sensors, Transducers |  |  |
| Sensor TypeDigital, LocalSensing Temperature - Local-55°C ~ 125°CSensing Temperature - Remote-Output TypeI2COutput Type2.7 V ~ 5.5 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Shutdown Mode, Standby<br>ModeAccuracy - Highest (Lowest) $\pm 2°C (\pm 3°C)$ Test Condition-25°C ~ 100°C (-55°C ~ 125°C)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Package                     | 8-SOIC (0.154", 3.90mm Width)    |  |  |
| Sensing Temperature - Local-55°C ~ 125°CSensing Temperature - Remote-Output TypeICOutput Type2.7 V ~ 5.5 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Shutdown Mode, Standby<br>ModeAccuracy - Highest (Lowest) $\pm 2°C (\pm 3°C)$ Operating Temperature $-55°C ~ 125°C ~ 125°C$ Operating Temperature $-55°C ~ 125°C$ Mounting TypeSurface MountPackage / Case $8-SOIC (0.154", 3.90mm Width)$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Series                      | -                                |  |  |
| Sensing Temperature -<br>Remote-Sensing Temperature -<br>Remote-Output Type12CVoltage - Supply2.7 V ~ 5.5 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Shutdown Mode, Standby<br>ModeAccuracy - Highest (Lowest)±2°C (±3°C)Test Condition-25°C ~ 100°C (-55°C ~ 125°C)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Sensor Type                 | Digital, Local                   |  |  |
| RemoteImplementOutput TypeI2CVoltage - Supply2.7 V ~ 5.5 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Shutdown Mode, Standby<br>ModeAccuracy - Highest (Lowest)±2°C (±3°C)Test Condition-25°C ~ 100°C (-55°C ~ 125°C)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Sensing Temperature - Local | -55°C ~ 125°C                    |  |  |
| Voltage - Supply2.7 V ~ 5.5 VResolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Shutdown Mode, Standby<br>ModeAccuracy - Highest (Lowest) $\pm 2^{\circ}C (\pm 3^{\circ}C)$ Test Condition $-25^{\circ}C ~ 100^{\circ}C (-55^{\circ}C ~ 125^{\circ}C)$ Operating Temperature $-55^{\circ}C ~ 125^{\circ}C$ Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             | -                                |  |  |
| Resolution11 bFeaturesOutput Switch, Programmable Limit, Programmable Resolution, Shutdown Mode, Standby<br>ModeAccuracy - Highest (Lowest) $\pm 2^{\circ}C (\pm 3^{\circ}C)$ Test Condition $-25^{\circ}C \sim 100^{\circ}C (-55^{\circ}C \sim 125^{\circ}C)$ Operating Temperature $-55^{\circ}C \sim 125^{\circ}C$ Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Output Type                 | I2C                              |  |  |
| FeaturesOutput Switch, Programmable Limit, Programmable Resolution, Shutdown Mode, Standby<br>ModeAccuracy - Highest (Lowest) $\pm 2^{\circ}C (\pm 3^{\circ}C)$ Test Condition $-25^{\circ}C \sim 100^{\circ}C (-55^{\circ}C \sim 125^{\circ}C)$ Operating Temperature $-55^{\circ}C \sim 125^{\circ}C$ Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Voltage - Supply            | 2.7 V ~ 5.5 V                    |  |  |
| PeaturesModeModeModeAccuracy - Highest (Lowest) $\pm 2^{\circ}C (\pm 3^{\circ}C)$ Test Condition $-25^{\circ}C \sim 100^{\circ}C (-55^{\circ}C \sim 125^{\circ}C)$ Operating Temperature $-55^{\circ}C \sim 125^{\circ}C$ Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Resolution                  | 11 b                             |  |  |
| Test Condition-25°C ~ 100°C (-55°C ~ 125°C)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Features                    |                                  |  |  |
| Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Accuracy - Highest (Lowest) | ±2°C (±3°C)                      |  |  |
| Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Test Condition              | -25°C ~ 100°C (-55°C ~ 125°C)    |  |  |
| Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Operating Temperature       | -55°C ~ 125°C                    |  |  |
| Supplier Device Package 8-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Mounting Type               | Surface Mount                    |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Package / Case              | 8-SOIC (0.154", 3.90mm Width)    |  |  |
| Report errors?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Supplier Device Package     | 8-SOIC                           |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                             | Report errors?                   |  |  |

#### DS75S/T&R 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.

## DS75S/T&R Payment Methods



### DS75S/T&R Shipping Methods



If you have any question about DS75S/T&R, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com