

**SM6T12AY Information**


For Reference Only

**Part Number** [SM6T12AY](#)  
**Manufacturer** STMicroelectronics  
**Category** Circuit Protection  
[TVS - Diodes](#)  
**Description** TVS DIODE 10.2VWM 21.7VC SMB  
**Package** DO-214AA, SMB  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto: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.


**SM6T12AY Specifications**

|                                  |                                       |
|----------------------------------|---------------------------------------|
| Manufacturer Part Number         | <a href="#">SM6T12AY</a>              |
| Manufacturer                     | STMicroelectronics                    |
| Category                         | Circuit Protection                    |
|                                  | <a href="#">TVS - Diodes</a>          |
| Package                          | DO-214AA, SMB                         |
| Series                           | Automotive, AEC-Q101, SM6TY, TRANSIL? |
| Type                             | Zener                                 |
| Unidirectional Channels          | 1                                     |
| Bidirectional Channels           | -                                     |
| Voltage - Reverse Standoff (Typ) | 10.2V                                 |
| Voltage - Breakdown (Min)        | 11.4V                                 |
| Voltage - Clamping (Max) @ Ipp   | 21.7V                                 |
| Current - Peak Pulse (10/1000µs) | 184A (8/20µs)                         |
| Power - Peak Pulse               | 600W                                  |
| Power Line Protection            | No                                    |
| Applications                     | Automotive                            |
| Capacitance @ Frequency          | -                                     |
| Operating Temperature            | -55°C ~ 150°C (TJ)                    |
| Mounting Type                    | Surface Mount                         |
| Package / Case                   | DO-214AA, SMB                         |
| Supplier Device Package          | SMB (DO-214AA)                        |

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## SM6T12AY 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.

## SM6T12AY Payment Methods



## SM6T12AY Shipping Methods



If you have any question about SM6T12AY, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)