



Image may be representation.  
See specifications for product details.



## SMCJ40CA-TR

|                          |                                 |
|--------------------------|---------------------------------|
| Manufacturer Part Number | <b>SMCJ40CA-TR</b>              |
| Manufacturer             | <b>STMicroelectronics</b>       |
| Allelco Part Number      | 32D-SMCJ40CA-TR                 |
| ECAD Model               | PCB Symbol, Footprint & 3D Mode |
| Parts Description        | TVS DIODE 40VWM 84VC SMC        |
| Package                  | DO-214AB, SMC                   |
| Data sheet               | <b>SMCJxxA, SMCJxxCA.pdf</b>    |
| RoHs Status              | ROHS3 Compliant                 |

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SMCJ40CA-TR - STMicroelectronics.New Original in Stock. Download Linear Technology SMCJ40CA-TR datasheet/specifications on AllelcoElec.com.  
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### Specifications

SMCJ40CA-TR Tech Specifications  
SMCJ40CA-TR - STMicroelectronics technical specifications, attributes, parameters

| Product Attribute                | Attribute Value    | Product Attribute                | Attribute Value    |
|----------------------------------|--------------------|----------------------------------|--------------------|
| Manufacturer                     | STMicroelectronics | Package / Case                   | DO-214AB, SMC      |
| Voltage - Reverse Standoff (Typ) | 40V                | Package                          | Tape & Reel (TR)   |
| Voltage - Clamping (Max) @ Ipp   | 84V                | Operating Temperature            | -55°C ~ 150°C (TJ) |
| Voltage - Breakdown (Min)        | 44.4V              | Mounting Type                    | Surface Mount      |
| Type                             | Zener              | Current - Peak Pulse (10/1000µs) | 119A (8/20µs)      |
| Supplier Device Package          | SMC                | Capacitance @ Frequency          | -                  |
| Series                           | SMCJ, TRANSIL™     | Bidirectional Channels           | 1                  |
| Power Line Protection            | No                 | Base Product Number              | SMCJ40             |
| Power - Peak Pulse               | 1500W (1.5kW)      | Applications                     | General Purpose    |

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics SMCJ40CA-TR

| Product Attribute                |                    |                     |  |                     |
|----------------------------------|--------------------|---------------------|--|---------------------|
| Part Number                      | SMCJ40CA-TR        | SMCJ43A-13-F        | SMCJ40CA-E3/57T                                | SMCJ40CA-13-F       |
| Manufacturer                     | STMicroelectronics | Diodes Incorporated | Vishay General Semiconductor - Diodes Division | Diodes Incorporated |
| Bidirectional Channels           | 1                  | -                   | 1  | 1                   |
| Type                             | Zener              | Zener               | Zener  | Zener               |
| Base Product Number              | SMCJ40             | SMCJ43              | SMCJ40   | SMCJ40              |
| Power - Peak Pulse               | 1500W (1.5kW)      | 1500W (1.5kW)       | 1500W (1.5kW)                                  | 1500W (1.5kW)       |
| Supplier Device Package          | SMC                | SMC                 | DO-214AB (SMCJ)                                | SMC                 |
| Package / Case                   | DO-214AB, SMC      | DO-214AB, SMC       | DO-214AB, SMC                                  | DO-214AB, SMC       |
| Power Line Protection            | No                 | No                  | No   | No                  |
| Voltage - Reverse Standoff (Typ) | 40V                | 43V                 | 40V  | 40V                 |
| Voltage - Clamping (Max) @ Ipp   | 84V                | 69.4V               | 64.5V  | 64.5V               |
| Applications                     | General Purpose    | General Purpose     | General Purpose                                | General Purpose     |
| Capacitance @ Frequency          | -                  | -                   | -  | -                   |
| Series                           | SMCJ, TRANSIL™     | -                   | TransZorb®                                     | -                   |
| Operating Temperature            | -55°C ~ 150°C (TJ) | -55°C ~ 150°C (TJ)  | -55°C ~ 150°C (TJ)                             | -55°C ~ 150°C (TJ)  |
| Current - Peak Pulse (10/1000µs) | 119A (8/20µs)      | 21.6A               | 23.3A  | 23.2A               |
| Mounting Type                    | Surface Mount      | Surface Mount       | Surface Mount                                  | Surface Mount       |
| Package                          | Tape & Reel (TR)   | Tape & Reel (TR)    | Tape & Reel (TR)                               | Tape & Reel (TR)    |
| Voltage - Breakdown (Min)        | 44.4V              | 47.8V               | 44.4V  | 44.4V               |

### SMCJ40CA-TR Datasheet PDF

Download SMCJ40CA-TR pdf datasheets and STMicroelectronics documentation for SMCJ40CA-TR - STMicroelectronics.

#### Datasheets

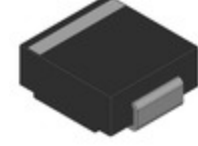
[SMCJxxA, SMCJxxCA.pdf](#)

#### Other Related Documents

[SMCJ View All Specifications.pdf](#)

### Customers Also Interested in

#### Recommended Products

**SMCJ43A-13-F**Diodes Incorporated  
TVS DIODE 43VWM 69.4VC SMC**SMCJ40CA-E3/57T**Vishay General Semiconductor -  
Diodes Division  
TVS DIODE 40VWM 64.5VC DO214AB**SMCJ40CA-13-F**Diodes Incorporated  
TVS DIODE 40VWM 64.5VC SMC**SMCJ40CA**Littelfuse Inc.  
TVS DIODE 40VWM 64.5VC DO214AB**SMCJ43A**SMC Diode Solutions  
TVS DIODE 43VWM 69.4VC SMC**SMCJ40CA**Bourns Inc.  
TVS DIODE 40VWM 64.5VC SMC**SMCJ40CA-M3/57T**Vishay General Semiconductor -  
Diodes Division  
TVS DIODE 40VWM 64.5VC DO214AB**SMCJ43A**Bourns Inc.  
TVS DIODE 43VWM 69.4VC SMC**SMCJ43A**MDD  
TVS DIODE 43VWM 69.4VC SMC**SMCJ43A**Fairchild Semiconductor  
TRANS VOLTAGE SUPPRESSOR  
DIODE,**SMCJ43A**Littelfuse Inc.  
TVS DIODE 43VWM 69.4VC DO214AB**SMCJ40CA-TP**Micro Commercial Co  
TVS DIODE 40VWM 64.5VC DO214AB**SMCJ43A**Meritek  
TVS DIODE 43VWM 69.4VC**SMCJ40CA**Meritek  
TVS DIODE 40VWM 64.5VC**SMCJ43A-E3/57T**Vishay General Semiconductor -  
Diodes Division  
TVS DIODE 43VWM 69.4VC DO214AB**SMCJ43A**Taiwan Semiconductor  
Corporation  
TVS DIODE 43VWM 69.4VC SMC**SMCJ40CA**SMC Diode Solutions  
TVS DIODE 40VWM 64.5VC SMC**SMCJ40CA**MDD  
TVS DIODE 40VWM 64.5VC SMC

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

### Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

| Common Countries Logistic Time Reference |                |                    |
|--|----------------|--------------------|
| Region                                   | Country        | Logistic Time(Day) |
| America                                  | United States  | 5                  |
|  | Brazil         | 7                  |
| Europe                                   | Germany        | 5                  |
|  | United Kingdom | 4                  |
|  | Italy          | 5                  |
| Oceania                                  | Australia      | 6                  |
|  | New Zealand    | 7                  |
| Asia                                     | India          | 6                  |
|  | Japan          | 7                  |
| Middle East                              | Israel         | 6                  |

| DHL & FedEx Shipment Charges Reference |                      |
|--|----------------------|
| Shipment charges(KG)                   | Reference DHL(USD\$) |
| 0.00kg-1.00kg                          | USD\$60.00           |
| 1.00kg-2.00kg                          | USD\$70.00           |
| 2.00kg-3.00kg                          | USD\$80.00           |

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

## Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,  
PayPal.



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