

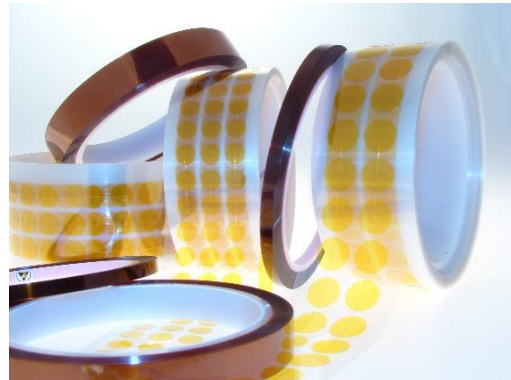
# Data Sheet

Revision: 1.0.0  
Date: 26 March 2016

## KD803 Polyimide tape

*KD803E is a polyimide film with silicone adhesive anti-static backing coating.*

**Low electrostatic discharge properties and high temperature resistance.** KD803 is available both as tape and dots.



### Application

Masking of circuit boards during wave soldering (reflow soldering) process or other electronic manufacturing.

### Typical data

|   | Value             | Test standard |
|---|-------------------|---------------|
| <b>Backing</b>                              | Polyimide         |               |
| <b>Adhesive</b>                             | Silicone          |               |
| <b>Colour</b>                               | Transparent amber |               |
| <b>Backing thickness (mm)</b>               | 0,025             |               |
| <b>Total thickness (mm)</b>                 | 0,050 ±0,005      |               |
| <b>Tack (J.Dow)</b>                         | ≥26               |               |
| <b>Adhesion to Steel (N/25mm)</b>           | 4-6               | GB/T 2792-98  |
| <b>Tensile Strength at Break (kN/m)</b>     | ≥3.5              | GB/T 7753-87  |
| <b>Elongation at Break (%)</b>              | >45               |               |
| <b>Dielectric strength (V)</b>              | >4000             |               |
| <b>Surface Resistance (Ω)</b>               | 10 <sup>6-8</sup> |               |
| <b>Static charge, removal from roll (V)</b> | <100              |               |
| <b>Max operating temperature (°C)</b>       | 280               |               |

### Storage

Store under normal conditions of 10° to 30°C and 40 to 70% R.H. in the initial packaging. Shelf life is 12 months from manufacturing date.

### Legal disclaimer

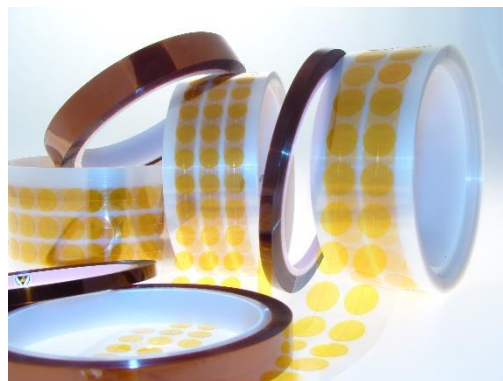
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# Data Sheet

Revision: 1.0.0  
Date: 26 March 2016

## KD822E Polyimide tape

*KD822E is a polyimide film with silicone adhesive and **double side anti-static coating**. **Super low electrostatic discharge** properties and **high temperature resistance**. KD822E is available both as tape and dots.*



### Application

Masking of circuit boards during wave soldering (reflow soldering) process or other electronic manufacturing.

### Typical data

|   | Value             | Test standard   |
|---|-------------------|-----------------|
| <b>Backing</b>                              | Polyimide         |                 |
| <b>Adhesive</b>                             | Silicone          |                 |
| <b>Colour</b>                               | Transparent amber |                 |
| <b>Backing thickness (mm)</b>               | 0,025             |                 |
| <b>Total thickness (mm)</b>                 | 0,050 ±0,005      |                 |
| <b>Tack (J.Dow)</b>                         | ≥26               | GB/T 4852-2002  |
| <b>Adhesion to Steel (N/25mm)</b>           | 4-6               | GB/T 2792-2014  |
| <b>Tensile Strength at Break (kN/m)</b>     | ≥3.5              | GB/T 30776-2014 |
| <b>Elongation at Break (%)</b>              | >45               |                 |
| <b>Surface Resistance (Ω)</b>               | 10 <sup>6-8</sup> |                 |
| <b>Static charge, removal from roll (V)</b> | <100              |                 |
| <b>Max operating temperature (°C)</b>       | 290               |                 |

### Storage

Store under normal conditions of 10° to 30°C and 40 to 70% R.H. in the initial packaging. Shelf life is 12 months from manufacturing date.

### Legal disclaimer

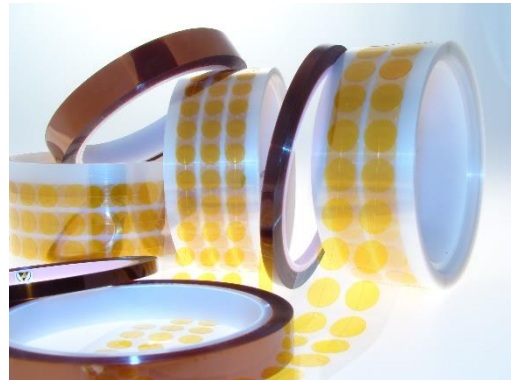
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# Data Sheet

Revision: 1.0.0  
Date: 26 March 2016

## KD852 Polyimide tape

*KD852 is a polyimide film with silicone adhesive and **high temperature resistance**. KD852 is available both as tape and dots.*



### Application

Masking of circuit boards during wave soldering (reflow soldering) process or other electronic manufacturing.

### Typical data

|   | Value        | Test standard |
|---|--------------|---------------|
| <b>Backing</b>                          | Polyimide    |               |
| <b>Adhesive</b>                         | Silicone     |               |
| <b>Colour</b>                           | Amber        |               |
| <b>Backing thickness (mm)</b>           | 0,025        |               |
| <b>Total thickness (mm)</b>             | 0,050 ±0,005 |               |
| <b>Tack (J.Dow)</b>                     | TBD          |               |
| <b>Adhesion to Steel (N/25mm)</b>       | 5-6          | GB/T 2792-98  |
| <b>Tensile Strength at Break (kN/m)</b> | ≥3.5         | GB/T T7753-87 |
| <b>Elongation at Break (%)</b>          | >45          |               |
| <b>Dielectric strength (V)</b>          | >4000        | GB/T 7752-87  |
| <b>Max operating temperature (°C)</b>   | 280          |               |

### Storage

Store under normal conditions of 10° to 30°C and 40 to 70% R.H. in the initial packaging. Shelf life is 12 months from manufacturing date.

### Legal disclaimer

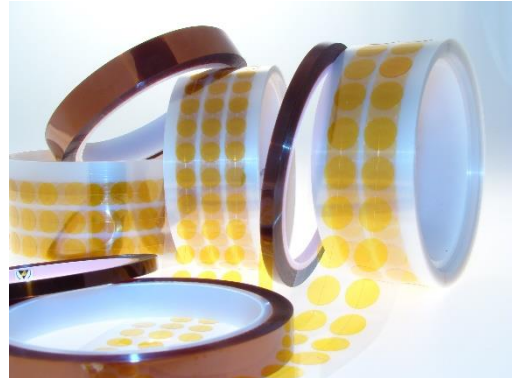
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# Data Sheet

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## KD855 Polyimide tape

*KD855 is a **thicker** polyimide film with silicone adhesive and high temperature resistance. KD855 is available both as tape and dots.*



### Application

Masking of circuit boards during wave soldering (reflow soldering) process or other electronic manufacturing.

### Typical data

|   | Value              | Test standard |
|---|--------------------|---------------|
| <b>Backing</b>                          | Polyimide          |               |
| <b>Adhesive</b>                         | Silicone           |               |
| <b>Colour</b>                           | Amber              |               |
| <b>Backing thickness (mm)</b>           | 0,050              |               |
| <b>Total thickness (mm)</b>             | <b>0,08 ±0,005</b> |               |
| <b>Tack (J.Dow)</b>                     | TBD                |               |
| <b>Adhesion to Steel (N/25mm)</b>       | 4-6                | GB/T 2792-98  |
| <b>Tensile Strength at Break (kN/m)</b> | ≥6.5               | GB/T T7753-87 |
| <b>Elongation at Break (%)</b>          | >40                |               |
| <b>Dielectric strength (V)</b>          | >6000              | GB/T 7752-87  |

### Storage

Store under normal conditions of 10° to 30°C and 40 to 70% R.H. in the initial packaging. Shelf life is 12 months from manufacturing date.

### Legal disclaimer

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| Partno    | Style | Description  | Unit          |
|-----------|-------|--|---------------|
| KD803W05  | Tape  | Polyimide tape, Low ESD W= 5mm, L= 33m                     | roll 33m      |
| KD803W06  | Tape  | Polyimide tape, Low ESD W= 6mm, L= 33m                     | roll 33m      |
| KD803W09  | Tape  | Polyimide tape, Low ESD W= 8mm, L= 33m                     | roll 33m      |
| KD803W10  | Tape  | Polyimide tape, Low ESD W= 10mm, L= 33m                    | roll 33m      |
| KD803W12  | Tape  | Polyimide tape, Low ESD W= 12mm, L= 33m                    | roll 33m      |
| KD803W15  | Tape  | Polyimide tape, Low ESD W= 15mm, L= 33m                    | roll 33m      |
| KD803W19  | Tape  | Polyimide tape, Low ESD W= 19mm, L= 33m                    | roll 33m      |
| KD803W25  | Tape  | Polyimide tape, Low ESD W= 25mm, L= 33m                    | roll 33m      |
| KD803W40  | Tape  | Polyimide tape, Low ESD W= 40mm, L= 33m                    | roll 33m      |
| KD803D05  | Dots  | Polyimide dots, standard D= 5mm                            | roll 10k dots |
| KD803D06  | Dots  | Polyimide dots, standard D= 6mm                            | roll 10k dots |
| KD803D08  | Dots  | Polyimide dots, standard D= 8mm                            | roll 10k dots |
| KD803D09  | Dots  | Polyimide dots, standard D= 9mm                            | roll 10k dots |
| KD803D10  | Dots  | Polyimide dots, standard D= 10mm                           | roll 10k dots |
| KD803D12  | Dots  | Polyimide dots, standard D= 12mm                           | roll 5k dots  |
| Partno    | Style | Description  | Unit          |
| KD822EW05 | Tape  | Polyimide tape, super low ESD W= 5mm, L= 33m, doublesided  | roll 33m      |
| KD822EW06 | Tape  | Polyimide tape, super low ESD W= 6mm, L= 33m, doublesided  | roll 33m      |
| KD822EW09 | Tape  | Polyimide tape, super low ESD W= 8mm, L= 33m, doublesided  | roll 33m      |
| KD822EW10 | Tape  | Polyimide tape, super low ESD W= 10mm, L= 33m, doublesided | roll 33m      |
| KD822EW12 | Tape  | Polyimide tape, super low ESD W= 12mm, L= 33m, doublesided | roll 33m      |
| KD822EW15 | Tape  | Polyimide tape, super low ESD W= 15mm, L= 33m, doublesided | roll 33m      |
| KD822EW20 | Tape  | Polyimide tape, super low ESD W= 20mm, L= 33m, doublesided | roll 33m      |
| KD822EW25 | Tape  | Polyimide tape, super low ESD W= 25mm, L= 33m, doublesided | roll 33m      |
| KD822EW50 | Tape  | Polyimide tape, super low ESD W= 50mm, L= 33m, doublesided | roll 33m      |
| KD822ED05 | Dots  | Polyimide dots, low ESD D= 5mm                             | roll 10k dots |
| KD822ED06 | Dots  | Polyimide dots, low ESD D= 6mm                             | roll 10k dots |
| KD822ED08 | Dots  | Polyimide dots, low ESD D= 8mm                             | roll 10k dots |
| KD822ED09 | Dots  | Polyimide dots, low ESD D= 9mm                             | roll 10k dots |
| KD822ED10 | Dots  | Polyimide dots, low ESD D= 10mm                            | roll 10k dots |
| KD822ED12 | Dots  | Polyimide dots, low ESD D= 12mm                            | roll 5k dots  |
| Partno    | Style | Description  | Unit          |
| KD852W05  | Tape  | Polyimide tape, standard W= 5mm, L= 33m                    | roll 33m      |
| KD852W06  | Tape  | Polyimide tape, standard W= 6mm, L= 33m                    | roll 33m      |
| KD852W09  | Tape  | Polyimide tape, standard W= 10mm, L= 33m                   | roll 33m      |
| KD852W10  | Tape  | Polyimide tape, standard W= 10mm, L= 33m                   | roll 33m      |
| KD852W12  | Tape  | Polyimide tape, standard W= 12mm, L= 33m                   | roll 33m      |
| KD852W15  | Tape  | Polyimide tape, standard W= 15mm, L= 33m                   | roll 33m      |
| KD852W20  | Tape  | Polyimide tape, standard W= 20mm, L= 33m                   | roll 33m      |
| KD852W25  | Tape  | Polyimide tape, standard W= 25mm, L= 33m                   | roll 33m      |
| KD852W40  | Tape  | Polyimide tape, standard W= 40mm, L= 33m                   | roll 33m      |
| KD852D05  | Dots  | Polyimide dots, superlow ESD D= 5mm                        | roll 2k dots  |
| KD852D06  | Dots  | Polyimide dots, superlow ESD D= 6mm                        | roll 2k dots  |
| KD852D08  | Dots  | Polyimide dots, superlow ESD D= 8mm                        | roll 2k dots  |
| KD852D09  | Dots  | Polyimide dots, superlow ESD D= 9mm                        | roll 2k dots  |
| KD852D10  | Dots  | Polyimide dots, superlow ESD D= 10mm                       | roll 2k dots  |
| KD852D12  | Dots  | Polyimide dots, superlow ESD D= 12mm                       | roll 2k dots  |
| Partno    | Style | Description  | Unit          |
| KD855W05  | Tape  | Polyimide tape 5mm, 33m                                    | roll 33m      |
| KD855W06  | Tape  | Polyimide tape 6mm, 33m                                    | roll 33m      |
| KD855W08  | Tape  | Polyimide tape 8mm, 33m                                    | roll 33m      |
| KD855W09  | Tape  | Polyimide tape 9mm, 33m                                    | roll 33m      |
| KD855W10  | Tape  | Polyimide tape 10mm, 33m                                   | roll 33m      |
| KD855W12  | Tape  | Polyimide tape 12mm, 33m                                   | roll 33m      |
| KD855D05  | Dots  | Polyimide dots, standard D= 5mm                            | roll 10k dots |
| KD855D06  | Dots  | Polyimide dots, standard D= 6mm                            | roll 10k dots |
| KD855D08  | Dots  | Polyimide dots, standard D= 8mm                            | roll 10k dots |
| KD855D09  | Dots  | Polyimide dots, standard D= 9mm                            | roll 10k dots |
| KD855D10  | Dots  | Polyimide dots, standard D= 10mm                           | roll 10k dots |
| KD855D12  | Dots  | Polyimide dots, standard D= 12mm                           | Roll 5 k dots |