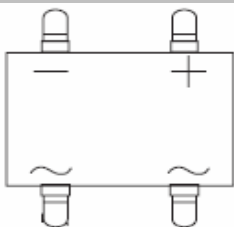


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Specifications

Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- High surge current capability
- UL-File number: E252843
- High temperature soldering guaranteed 250°C / 10seconds

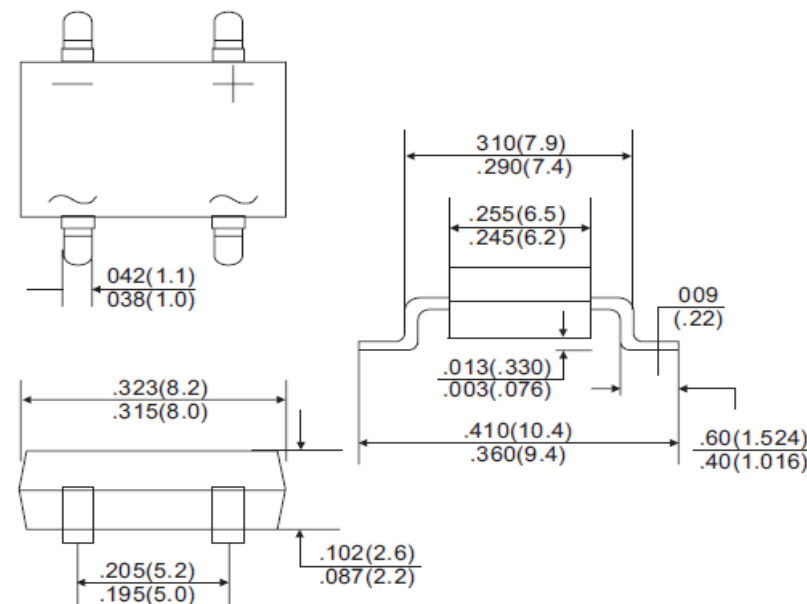
Mechanical Data

- Molded plastic body over passivated junctions Terminals plated leads solderable per MIL-STD-750 Method 2026
- Polarity symbols marked on body
- Weight 0,34gramm

Maximum Ratings & Electrical Characteristics Ratings at 25°C ambient temperature

| | SYMB OLS | DB | DB | DB | DB | DB | DB | DB | UNITS |
|--|-------------|--------------|------|------|------|------|------|------|-------|
| | | 101S | 102S | 103S | 104S | 105S | 106S | 107S | |
| | | DF | DF | DF | DF | DF | DF | DF | |
| | | 005S | 01S | 02S | 04S | 06S | 08S | 10S | |
| Maximum repetitive peak reverse voltage | VRRM | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | Volts |
| Maximum RMS voltage | VRMS | 35 | 70 | 140 | 280 | 420 | 560 | 700 | Volts |
| Maximum DC blocking voltage | VDC | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | Volts |
| Maximum average forward output rectified current | I(AV) | 1.0 | | | | | | | Amp |
| Peak forward surge current 8.3ms single half sine-wave | IFSM | 50.0 | | | | | | | Amps |
| Maximum forward voltage @IF=1.0A | VF | 1.1 | | | | | | | Volts |
| Maximum reverse voltage | IR | 5.0 500 | | | | | | | μ A |
| Type junction capacitance VR=4.0V f=1.0MHz | CJ | 150.0 | | | | | | | pF |
| Operating junction and storage temperature range | TJ.TSTG | -55 to + 150 | | | | | | | °C |

Technical Drawing (Unit: inch(mm))



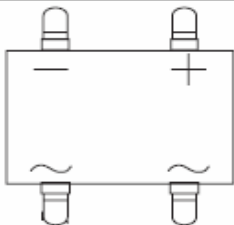
| | |
|---|--------------------|
| Dual Inline Bridge Rectifier 1,0A (Glass Passivated) | |
| EDCON-Ser. | E12002 |
| International Serie: | DF / DBxxxS |

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 10.05.2010 |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | | 1 from 5 |

www.edcon-components.com

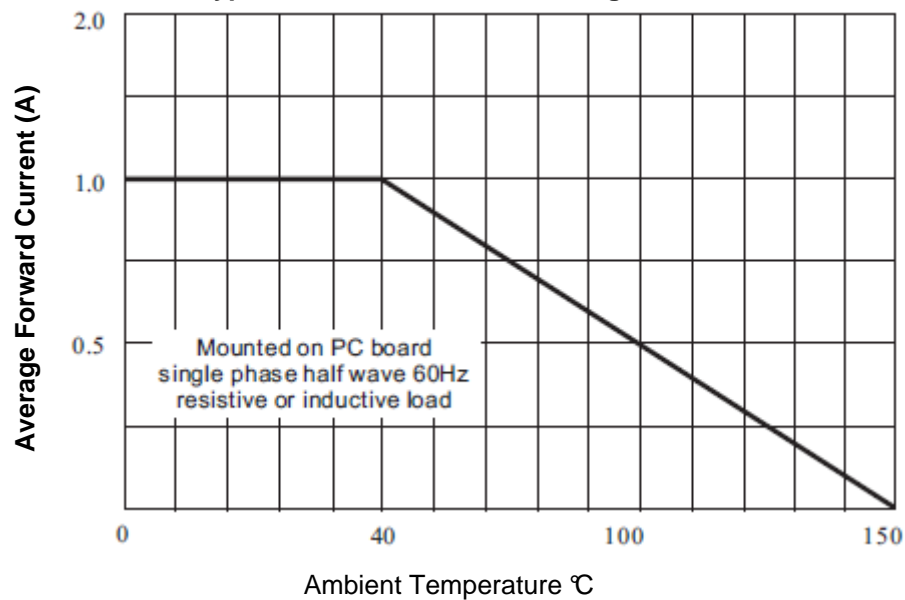
email: info@edcon-components.com

EDCON-COMPONENTS

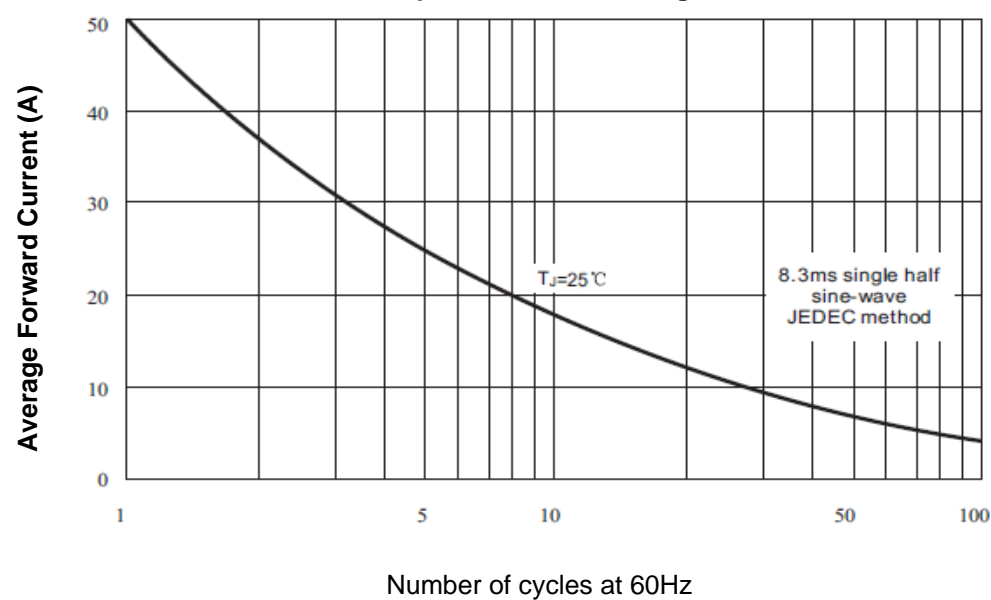


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Current Derating Curve



Maximum NON-Repetitive Forward Surge Current



**Dual Inline Bridge Rectifier 1,0A
(Glass Passivated)**

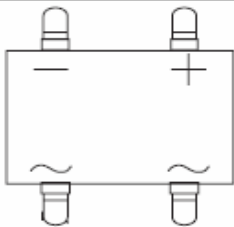
EDCON-Ser. **E12002**

International Serie: **DF / DBxxxS**

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 10.05.2010 |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | 2 from 5 | |

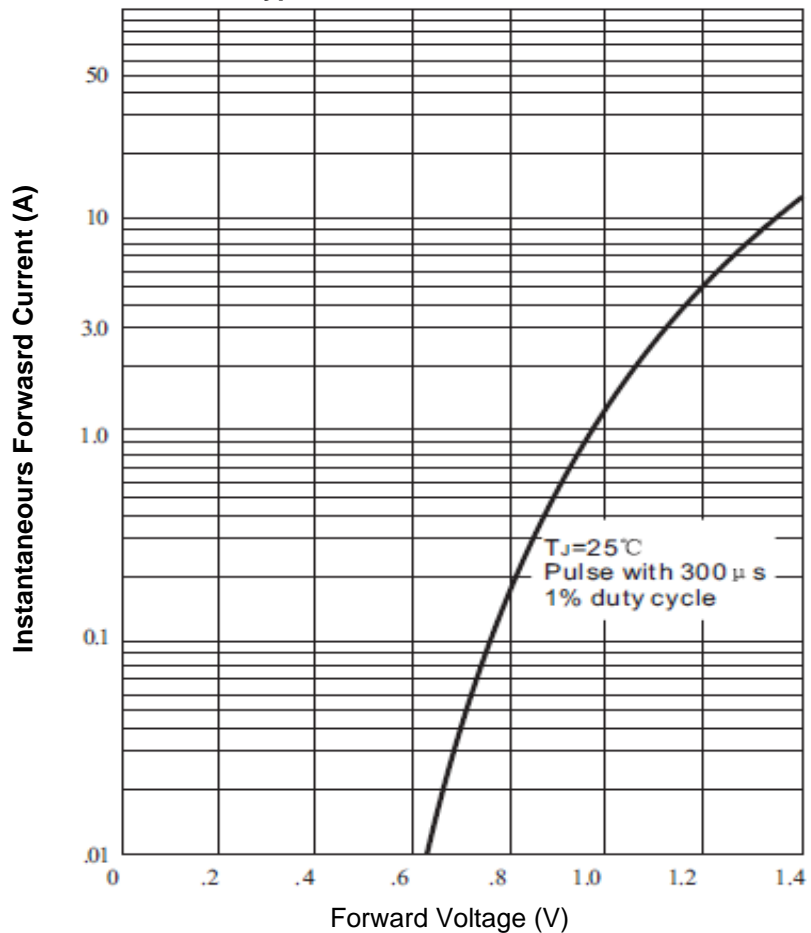
www.edcon-components.com

email: info@edcon-components.com

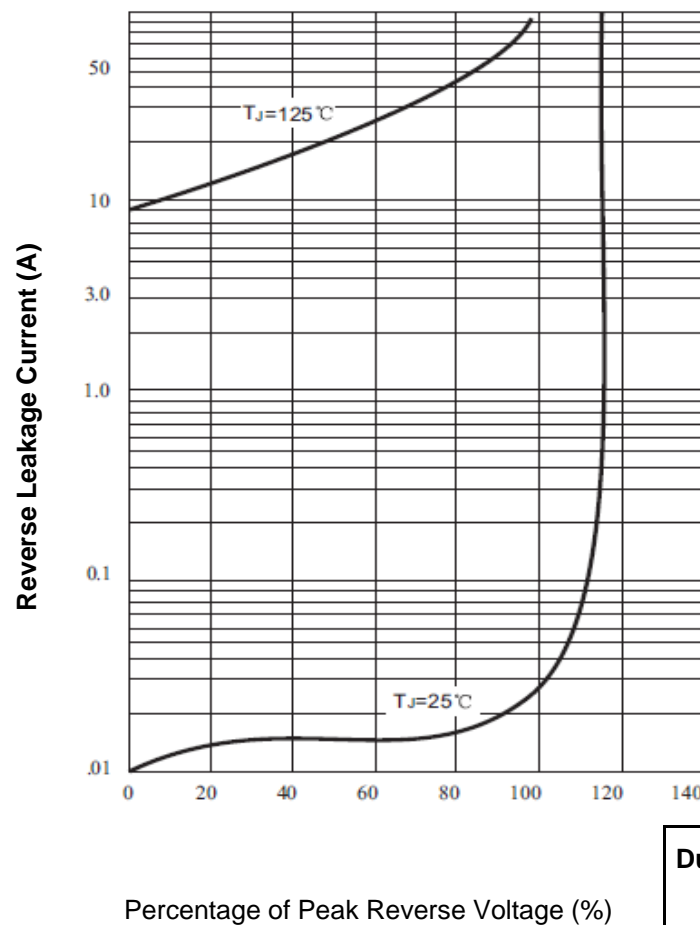


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics

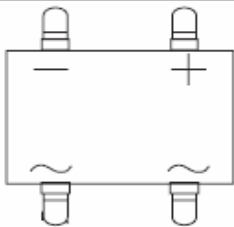


Dual In-line Bridge Rectifier 1,0A
(Glass Passivated)

| | |
|----------------------|-------------|
| EDCON-Ser. | E12002 |
| International Serie: | DF / DBxxxS |

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 10.05.2010 |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | | 3 from 5 |

EDCON-COMPONENTS



Ordering Informations

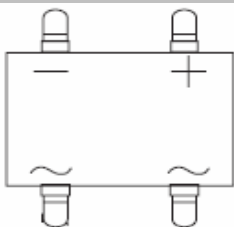
| | | | | | | | | | | |
|-------------|--------------------|-------------|------|---------|--|--|--|--|--|--|
| EDCON Serie | International Type | NO Function | ROHS | Package | | | | | | |
|-------------|--------------------|-------------|------|---------|--|--|--|--|--|--|

| | | | | | | | | | | |
|---------------|---------------|-----------|----------|-----------|--|--|--|--|--|--|
| E12002 | DBxxxS | XX | R | TR | | | | | | |
|---------------|---------------|-----------|----------|-----------|--|--|--|--|--|--|

| | | | |
|-------------------------|--|----------------------------|----------------------|
| Look Voltage Code Table | | R= ROHS Conform | TR= Tape Reel |
| | | N= NON ROHS Conform | |

| | |
|---|--------------------|
| Dual Inline Bridge Rectifier 1,0A (Glass Passivated) | |
| EDCON-Ser. | E12002 |
| International Serie: | DF / DBxxxS |

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 10.05.2010 |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | | 4 from 5 |



Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



| | |
|---|--------------------|
| Dual Inline Bridge Rectifier 1,0A (Glass Passivated) | |
| EDCON-Ser. | E12002 |
| International Serie: | DF / DBxxxS |

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 10.05.2010 |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | 5 from 5 | |