

EDCON-COMPONENTS



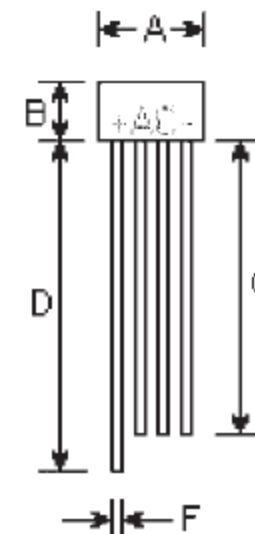
Specifications

Features

- Surge overload rating - 50amperes peak
- Reliable low cost construction utilizing molded plastic technics results inexpensive prod.
- Ideal for printed board

Technical Drawing (Unit: inch(mm))

| DIM | mm | | |
|-----|------|------|---|
| | min | max. | |
| A | 9 | 10 | ∅ |
| B | 6,73 | 7,75 | |
| C | 30,5 | | |
| D | 32,3 | | |
| E | 4,6 | 5,6 | |
| F | 0,71 | 0,81 | ∅ |



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

| | Symbols | W005 | W01 | W02 | W04 | W06 | W08 | W10 | Unit |
|--|------------|------------------|-----|-----|-----|-----|-----|------|------|
| Maximum reecurrent peak reverse Voltage | VRRM | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | Volt |
| Maximum rms Input voltage | VRMS | 35 | 70 | 140 | 280 | 420 | 560 | 700 | Volt |
| Maximum dc blocking Voltage | VDC | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | Volt |
| Maximum average forward output rectified TA=100°C | I(AV) | 1,5 | | | | | | | Amps |
| Peak forward surge current 8,3ms single half sine-wave | IFSM | 50 | | | | | | | Amps |
| Maximum forward voltage drop | VF | 1,0 | | | | | | | Volt |
| Maximum revese voltage TA=25°C | IR | 10 | | | | | | | µA |
| Maximum revese voltage TA=100°C | IR | 1 | | | | | | | µA |
| Operating and storage temperature range | TJ TSTG | -55°C to + 125°C | | | | | | | °C |
| I²t rating for fusing | I²t | 5 | | | | | | | A²t |

ROUND Bridge Rectifier 1,5A

EDCON-Ser. **E20002**

International Serie: **W1x**

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

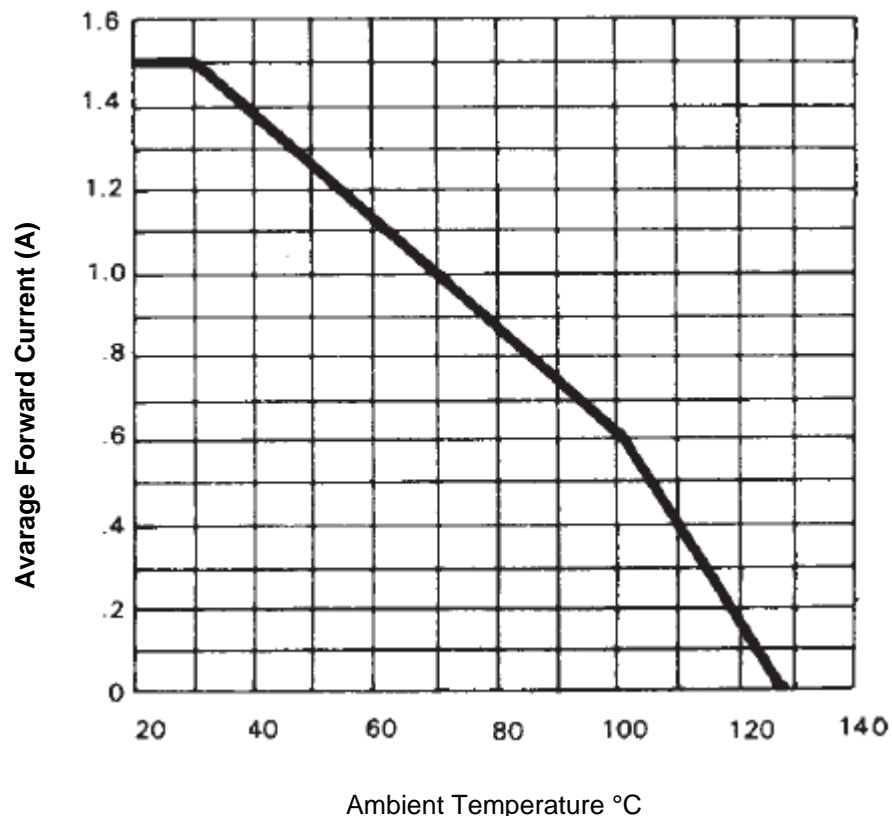
www.edcon-components.com

email: info@edcon-components.com

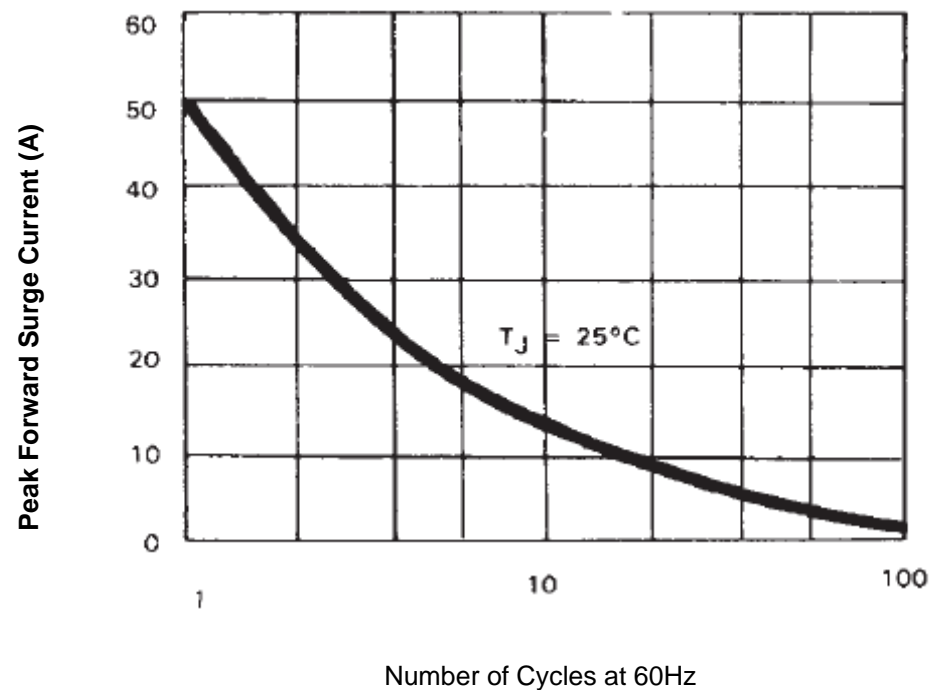


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current



Maximum NON Repetitive Forward Surge Current



ROUND Bridge Rectifier 1,5A

EDCON-Ser. **E20002**

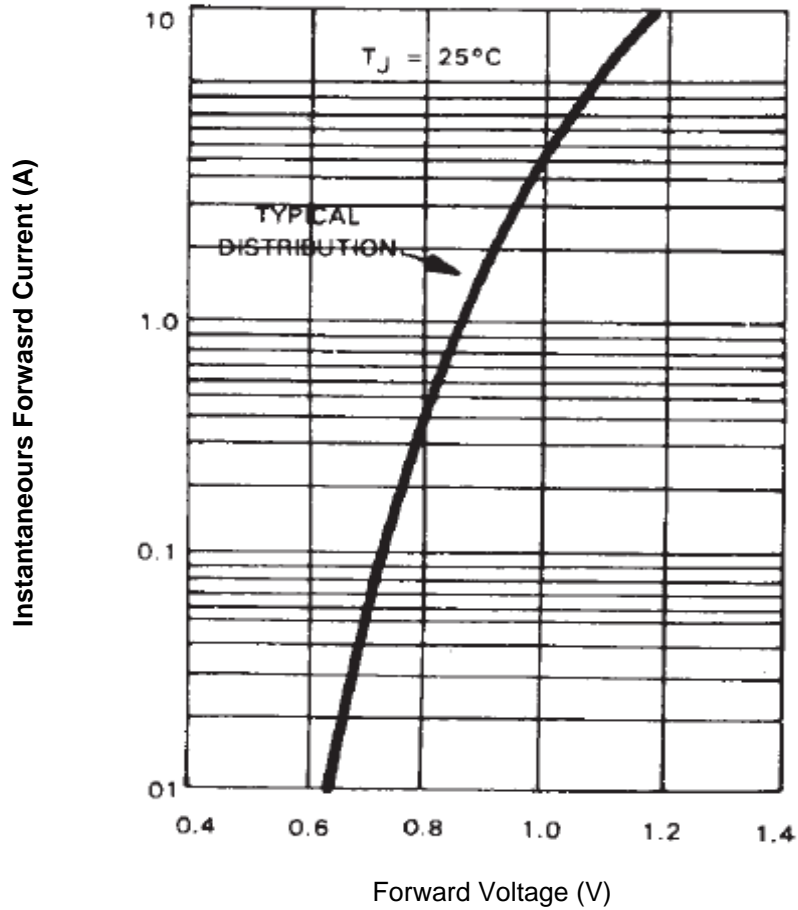
International Serie: **W1x**

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

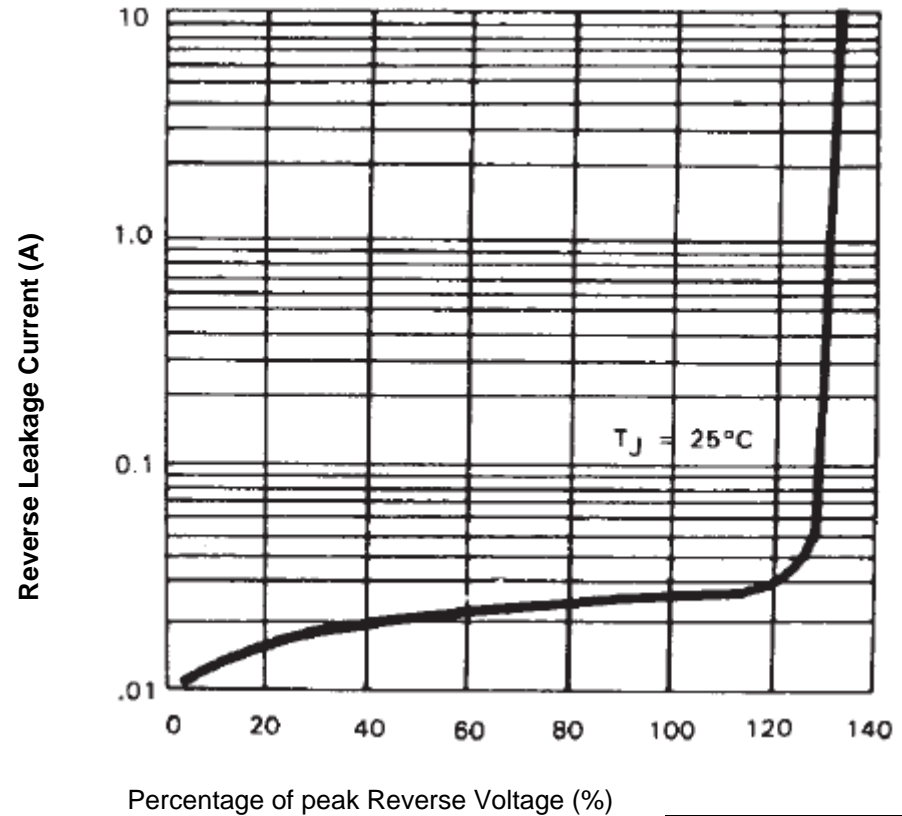


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



| | |
|------------------------------------|---------------|
| ROUND Bridge Rectifier 1,5A | |
| EDCON-Ser. | E20002 |
| International Serie: | W1x |

| | | | | | | | | | |
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EDCON-COMPONENTS



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

Ordering Informations

| | | | | | | | | | |
|---------------|--------------------|-------------|----------|-----------|--|--|--|--|--|
| EDCON Serie | International Type | NO function | ROHS | Package | | | | | |
| E20002 | W1x | LL | R | BX | | | | | |

| | | | |
|-------------------------|-----------------------------|-----------------------------|-----------------|
| Look Voltage Code Table | LL = Long Lead | R = ROHS Conform | BX = Box |
| | L4 = Lead length 4mm | N = NON ROHS Conform | |

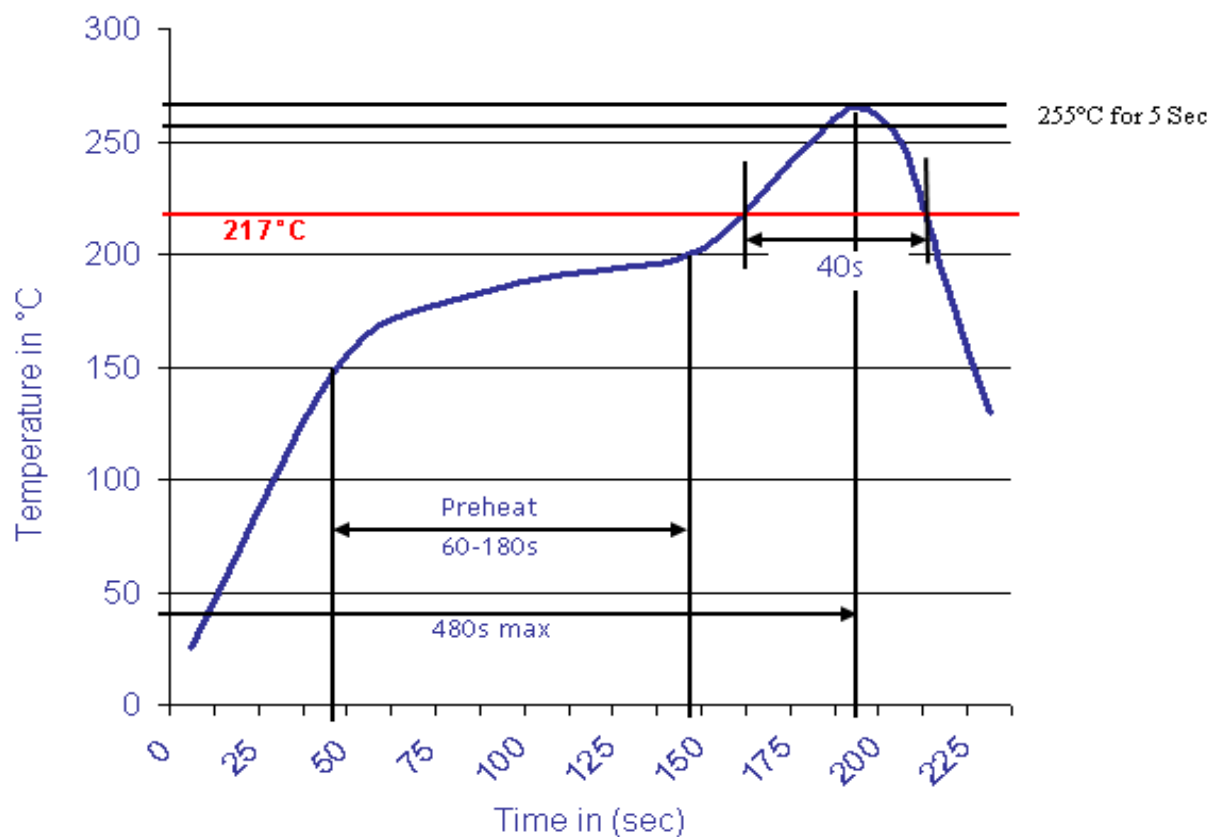
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| ROUND Bridge Rectifier 1,5A | |
| EDCON-Ser. | E20002 |
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Soldering Profile Curve

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



| | |
|------------------------------------|---------------|
| ROUND Bridge Rectifier 1,5A | |
| EDCON-Ser. | E20002 |
| International Serie: | W1x |

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